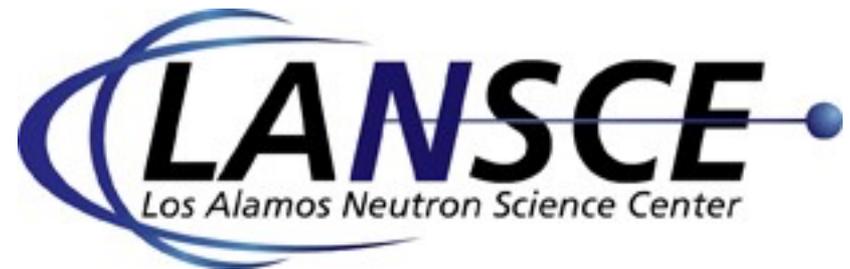


2019 LANSCE User Survey

Final – February 24, 2020



Managed by Triad National Security, LLC for the U.S. Department of Energy's NNSA

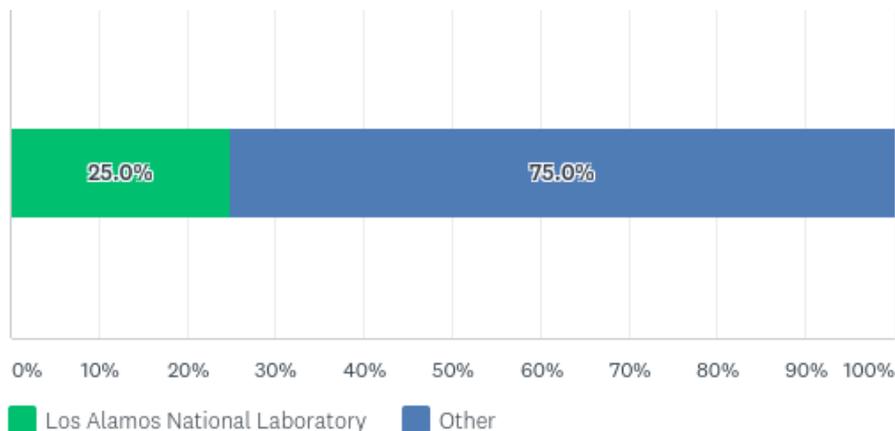
WNR, Lujan Center & pRad Users

80 Total Responses

Survey Invitations (users)	436 (incl. 8 bounced emails)
Total Responses	80
Response Rate	18.3%
Responses with follow up request	7

Q1: What is your home institution?

Answered: 80 Skipped: 0

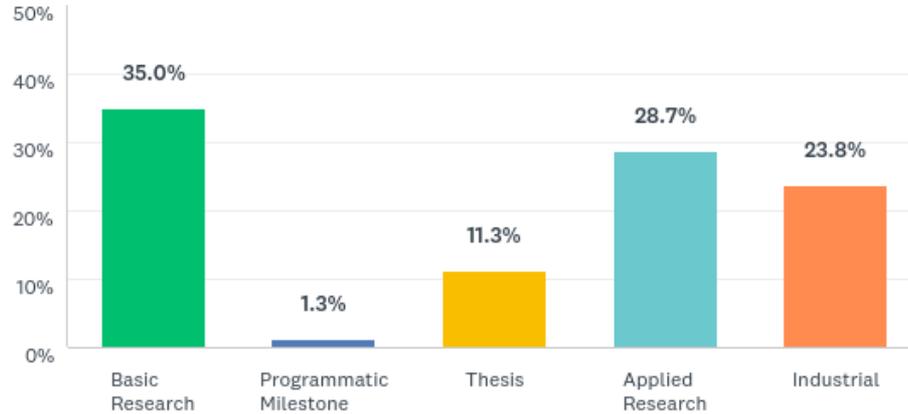


ANSWER CHOICES		RESPONSES	
Los Alamos National Laboratory (1)		25.0%	20
Other (2)		75.0%	60
TOTAL			80

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	2.00	2.00	1.75	0.43

Q2: What was the primary purpose of your experiment?

Answered: 80 Skipped: 0



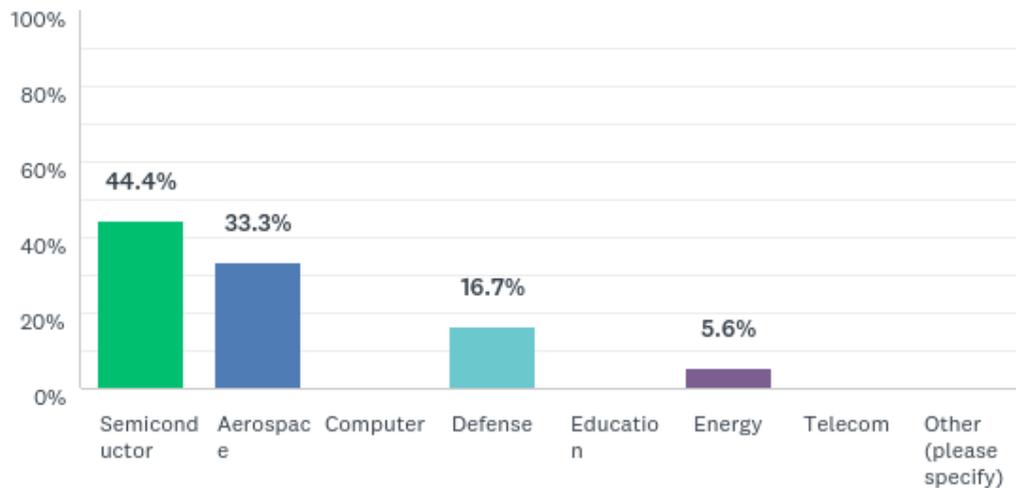
ANSWER CHOICES	RESPONSES	
Basic Research (1)	35.0%	28
Programmatic Milestone (2)	1.3%	1
Thesis (3)	11.3%	9
Applied Research (4)	28.7%	23
Industrial (5)	23.8%	19
TOTAL		80

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	4.00	3.05	1.63

Q3 – Q6 applicable if selected “Industrial” in Q2

Q3: What type of industry? (please select one or several of the options)

Answered: 18 Skipped: 62

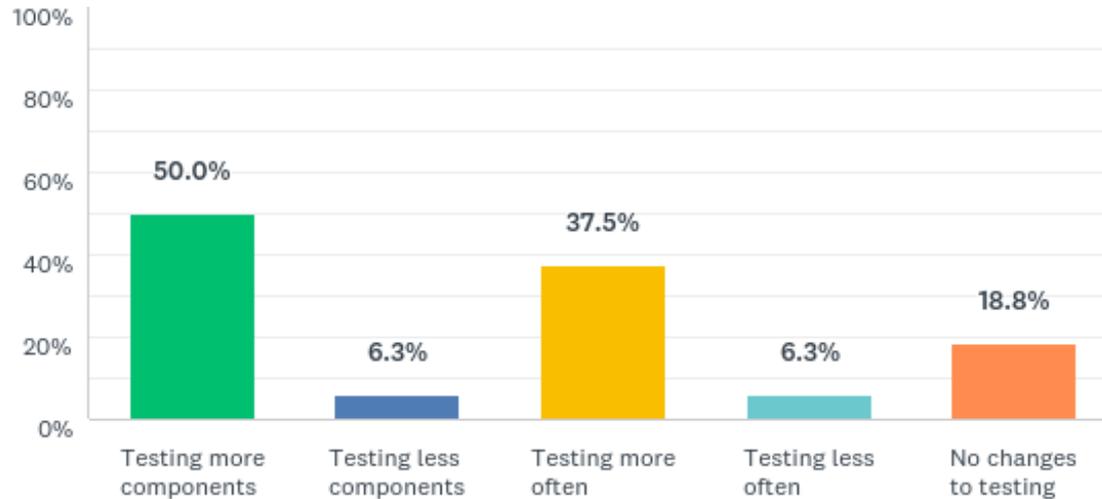


ANSWER CHOICES	RESPONSES	
Semiconductor (1)	44.4%	8
Aerospace (2)	33.3%	6
Computer (3)	0.0%	0
Defense (4)	16.7%	3
Education (5)	0.0%	0
Energy (6)	5.6%	1
Telecom (7)	0.0%	0
Other (please specify) (8)	0.0%	0
Total Respondents: 18		

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	6.00	2.00	2.11	1.41

Q5: What are your future intention to use LANSCE? (check all answers that apply)

Answered: 16 Skipped: 64



ANSWER CHOICES		RESPONSES		
Testing more components (1)	50.0%	8		
Testing less components (2)	6.3%	1		
Testing more often (3)	37.5%	6		
Testing less often (4)	6.3%	1		
No changes to testing (5)	18.8%	3		
Total Respondents: 16				
BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	3.00	2.47	1.46

Q6: What trends do you see?

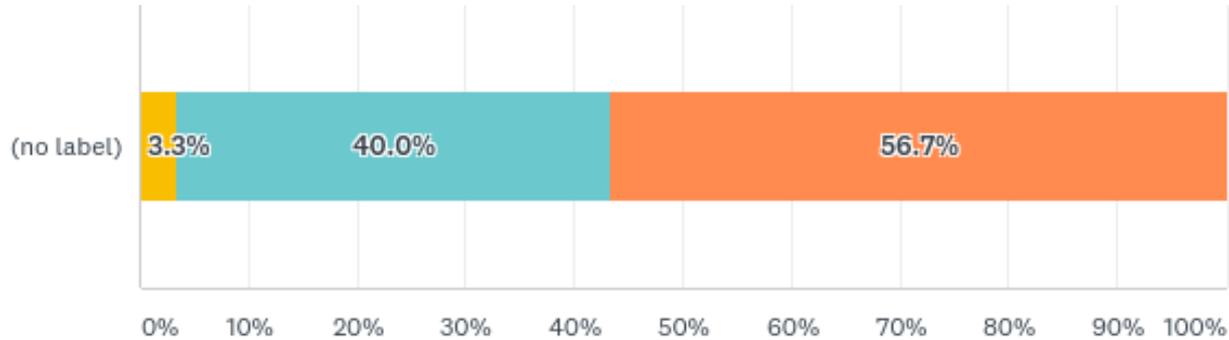
Answered: 16 Skipped: 64



ANSWER CHOICES		RESPONSES		
More testing (1)		66.7%	10	
Customers require more SEE data (2)		60.0%	9	
Customers require less SEE data (3)		0.0%	0	
Customers requirements have not changed much in the last few years (4)		20.0%	3	
Total Respondents: 15				
BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	4.00	2.00	1.82	0.98

Q7: How satisfied were you with the proposal input process?

Answered: 71 Skipped: 9



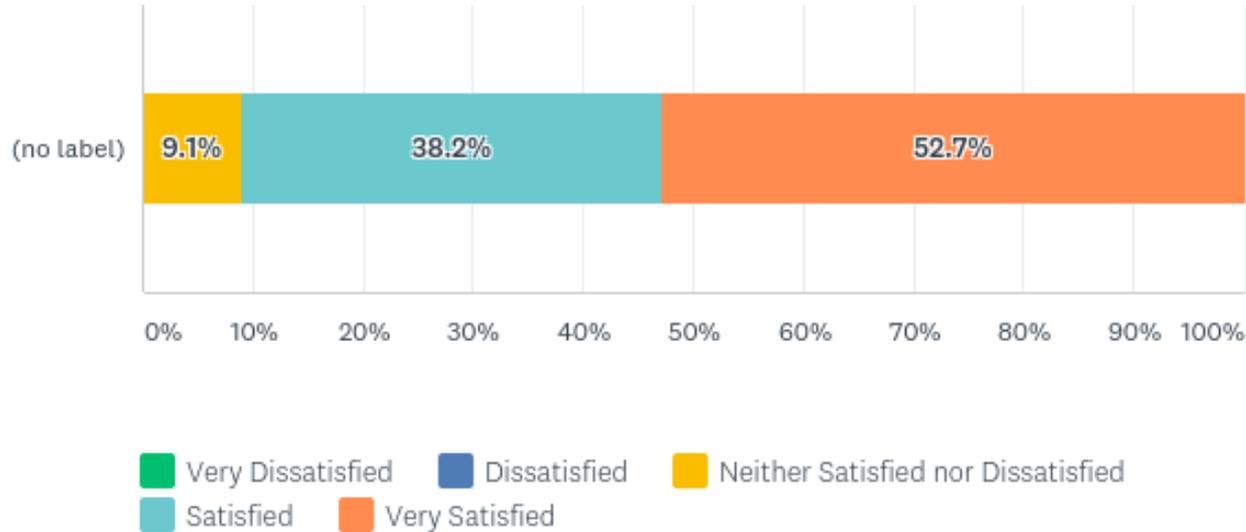
Very Dissatisfied Dissatisfied Neither Satisfied nor Dissatisfied
Satisfied Very Satisfied

	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	0.0% 0	3.3% 2	40.0% 24	56.7% 34	60	4.53

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	5.00	4.53	0.56

Q8: How satisfied were you with the proposal review process?

Answered: 71 Skipped: 9



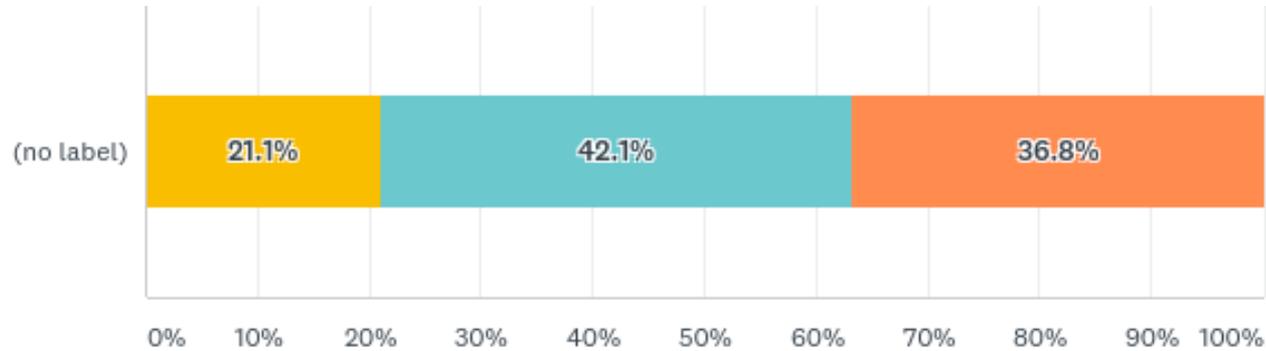
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	0.0% 0	9.1% 5	38.2% 21	52.7% 29	55	4.44

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	5.00	4.44	0.65

Q9: How useful did you find the presentation portion of the PAC review (if applicable)?

Answered: 69 Skipped: 11



Very Dissatisfied Dissatisfied Neither Satisfied nor Dissatisfied
Satisfied Very Satisfied

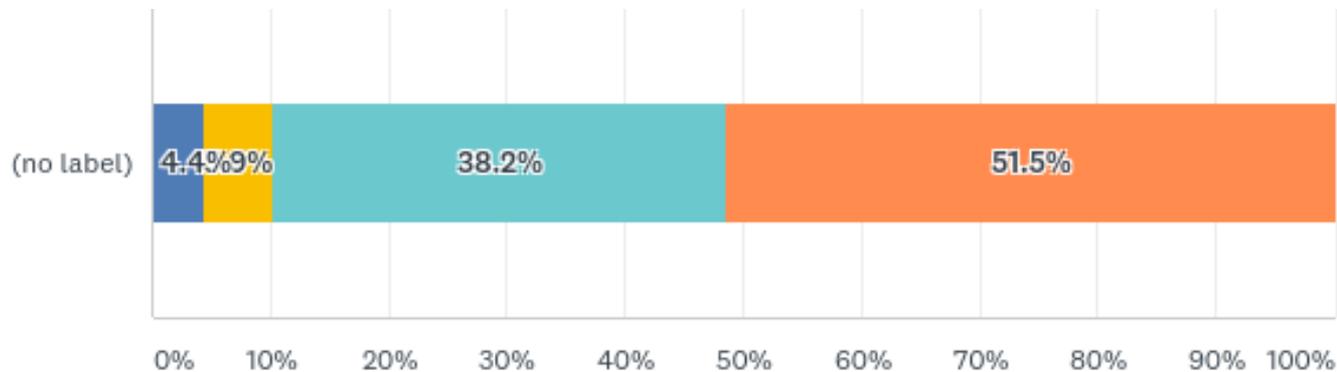
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	0.0% 0	21.1% 4	42.1% 8	36.8% 7	19	4.16

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	4.00	4.16	0.74

Q10: How satisfied were you with the scheduling of your experiment?

Answered: 71 Skipped: 9



Very Dissatisfied Dissatisfied Neither Satisfied nor Dissatisfied
Satisfied Very Satisfied

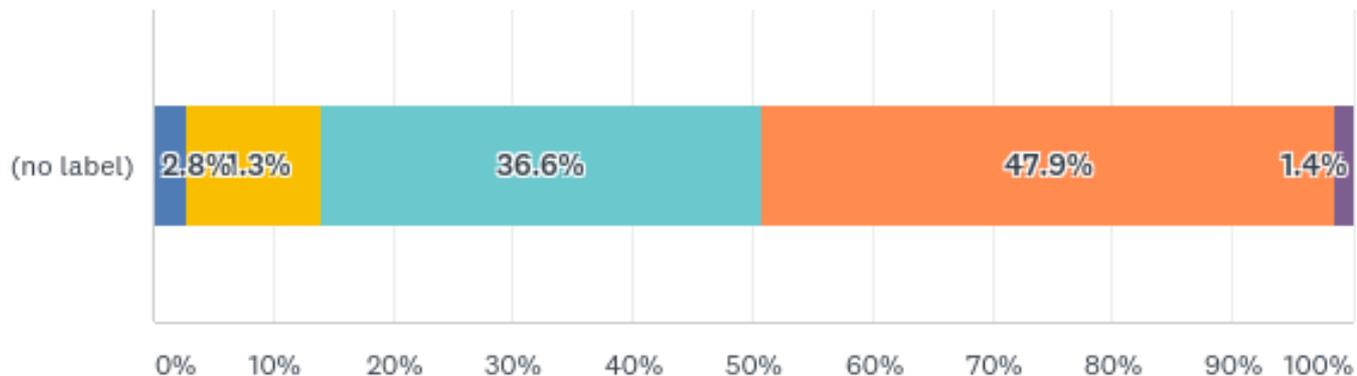
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	4.4% 3	5.9% 4	38.2% 26	51.5% 35	68	4.37

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
2.00	5.00	5.00	4.37	0.78

Q11: How satisfied were you with the beam performance and the communication of its expected performance?

Answered: 71 Skipped: 9



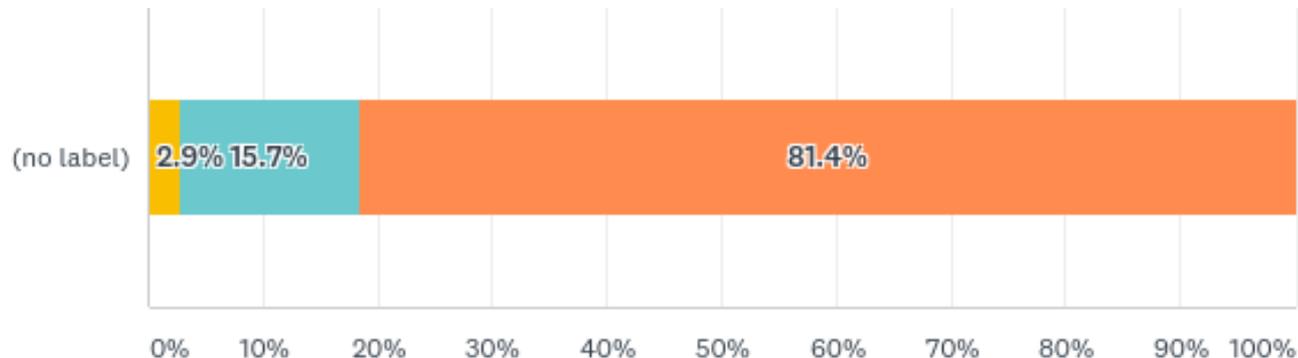
	VERY DISSATISFIED (1)	DISSATISFIED (2)	NEITHER SATISFIED NOR DISSATISFIED (3)	SATISFIED (4)	VERY SATISFIED (5)	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	2.8% 2	11.3% 8	36.6% 26	47.9% 34	1.4% 1	71	4.31

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
2.00	5.00	4.00	4.31	0.78

Q12: How satisfied were you with the support provided by LANSCE staff?

Answered: 70 Skipped: 10



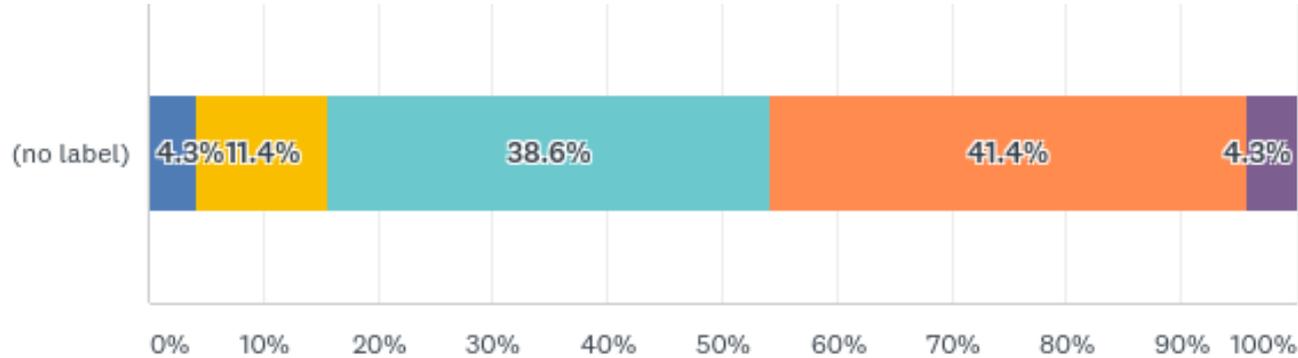
■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied
 ■ N/A

	VERY DISSATISFIED (1)	DISSATISFIED (2)	NEITHER SATISFIED NOR DISSATISFIED (3)	SATISFIED (4)	VERY SATISFIED (5)	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	0.0%	0.0%	2.9%	15.7%	81.4%	0.0%	70	4.79
	0	0	2	11	57	0		

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	5.00	4.79	0.47

Q13: How satisfied are you with the beam line availability at LANSCE?

Answered: 70 Skipped: 10



■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied
 ■ N/A

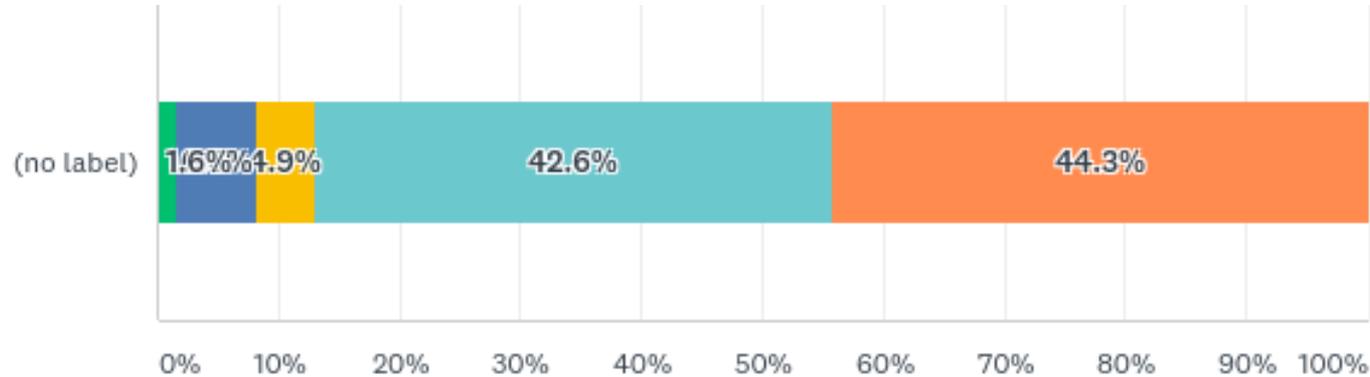
	VERY DISSATISFIED (1)	DISSATISFIED (2)	NEITHER SATISFIED NOR DISSATISFIED (3)	SATISFIED (4)	VERY SATISFIED (5)	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	4.3% 3	11.4% 8	38.6% 27	41.4% 29	4.3% 3	70	4.22

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
2.00	5.00	4.00	4.22	0.83

Q14: How satisfied are you with the user on-boarding process? (The process of getting site access to LANSCE/Los Alamos National Lab)

Answered: 68 Skipped: 12



■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied

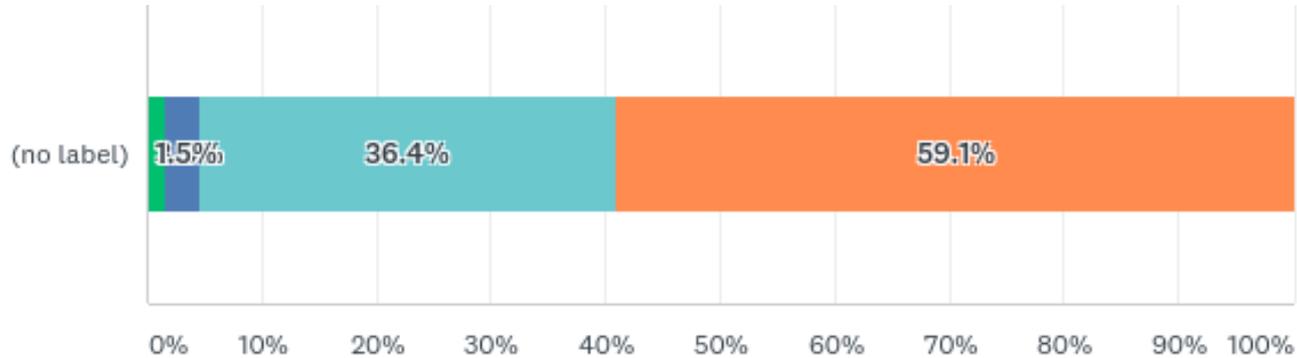
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	1.6%	6.6%	4.9%	42.6%	44.3%	61	4.21
	1	4	3	26	27		

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	4.00	4.21	0.93

Q15: How satisfied are you with safety at LANSCE?

Answered: 71 Skipped: 9



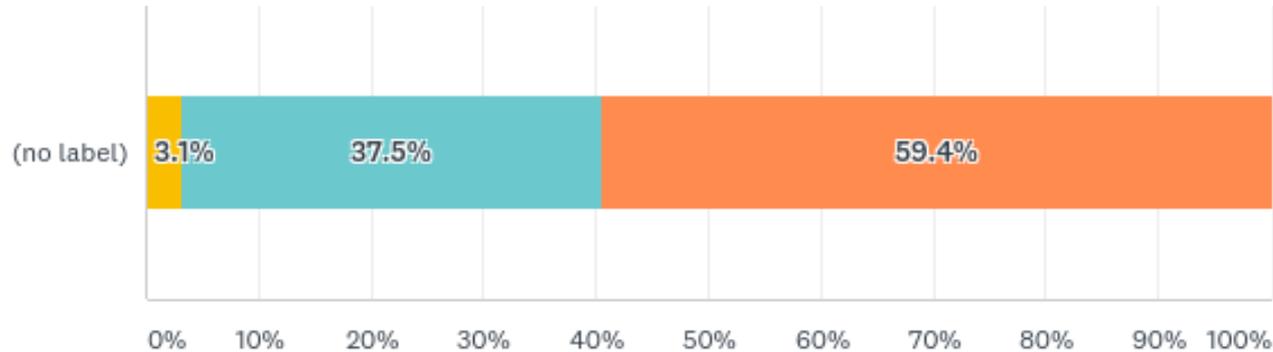
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	1.5%	3.0%	0.0%	36.4%	59.1%	66	4.48
	1	2	0	24	39		

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	5.00	4.48	0.78

Q16: How satisfied were you with the data analysis and transfer of data to you?

Answered: 70 Skipped: 10



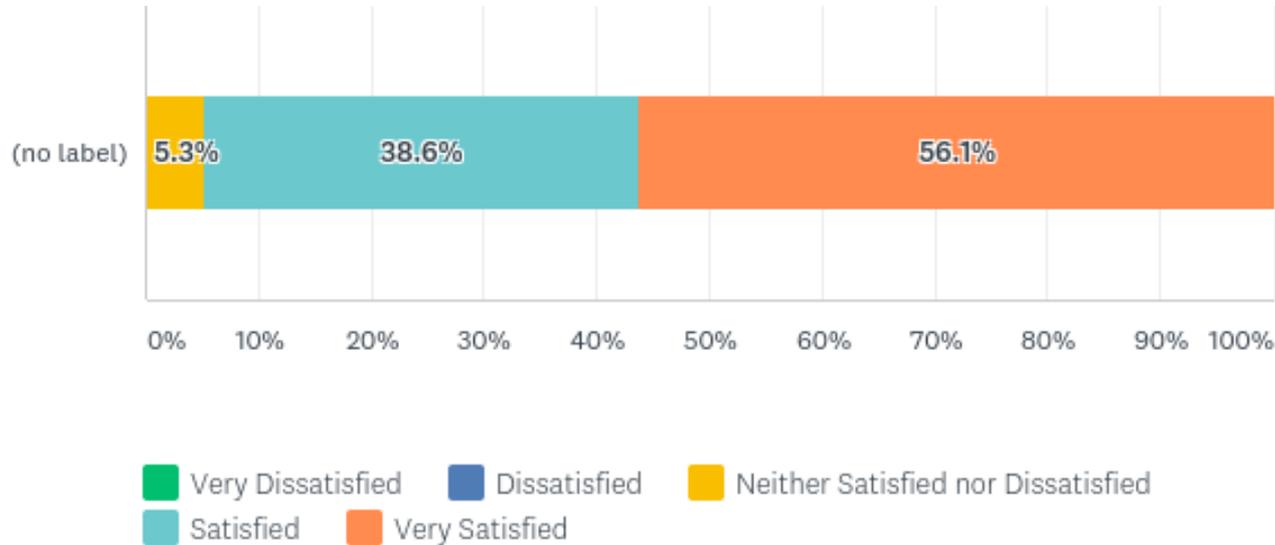
Very Dissatisfied Dissatisfied Neither Satisfied nor Dissatisfied
Satisfied Very Satisfied

	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	0.0% 0	3.1% 2	37.5% 24	59.4% 38	64	4.56

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	5.00	4.56	0.56

Q17: How satisfied were you with the diagnostics capabilities available?

Answered: 71 Skipped: 9



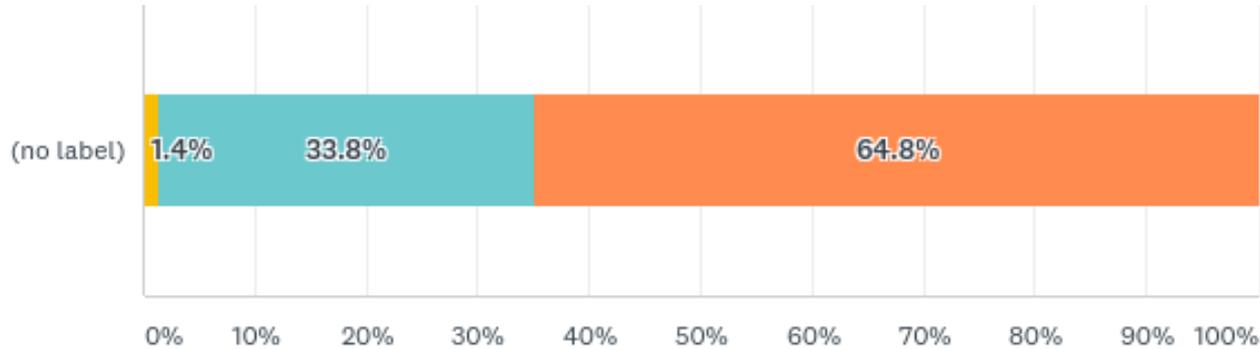
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	0.0% 0	5.3% 3	38.6% 22	56.1% 32	57	4.51

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	5.00	4.51	0.60

Q20: How satisfied were with your overall experience at LANSCE?

Answered: 71 Skipped: 9



Very Dissatisfied Dissatisfied Neither Satisfied nor Dissatisfied
Satisfied Very Satisfied

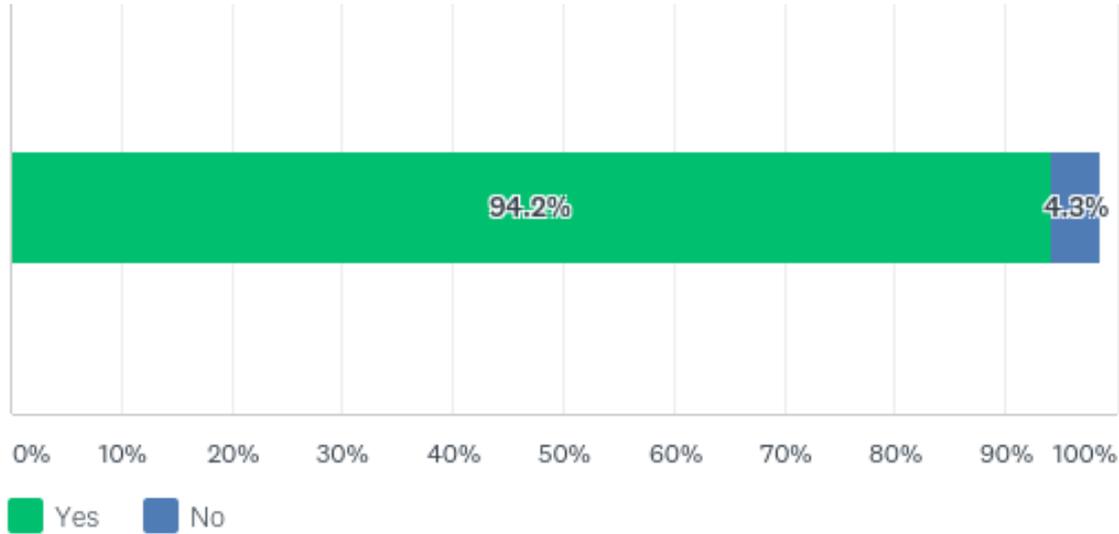
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	0.0% 0	0.0% 0	1.4% 1	33.8% 24	64.8% 46	71	4.63

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
3.00	5.00	5.00	4.63	0.51

Q21: Are the training requirements appropriate?

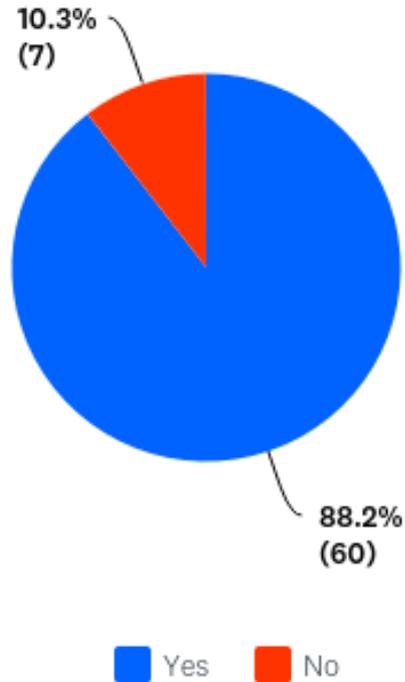
Answered: 69 Skipped: 11



ANSWER CHOICES		RESPONSES		
Yes (1)	94.2%	65		
No (2)	4.3%	3		
TOTAL		69		
BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	2.00	1.00	1.04	0.21

Q22: Are the safety procedures appropriate?

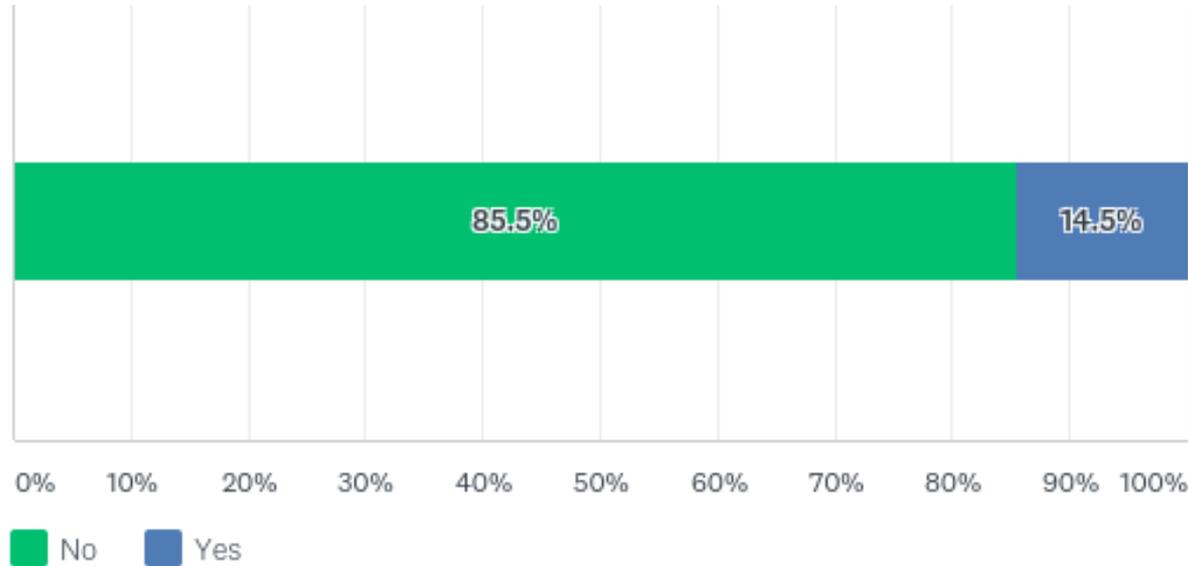
Answered: 68 Skipped: 12



ANSWER CHOICES		RESPONSES		
Yes (1)		88.2%		60
No (2)		10.3%		7
TOTAL				68
BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	2.00	1.00	1.10	0.31

Q21: Have you (or your team) been involved in any safety incidents at LANSCE in the last few years?

Answered: 69 Skipped: 11

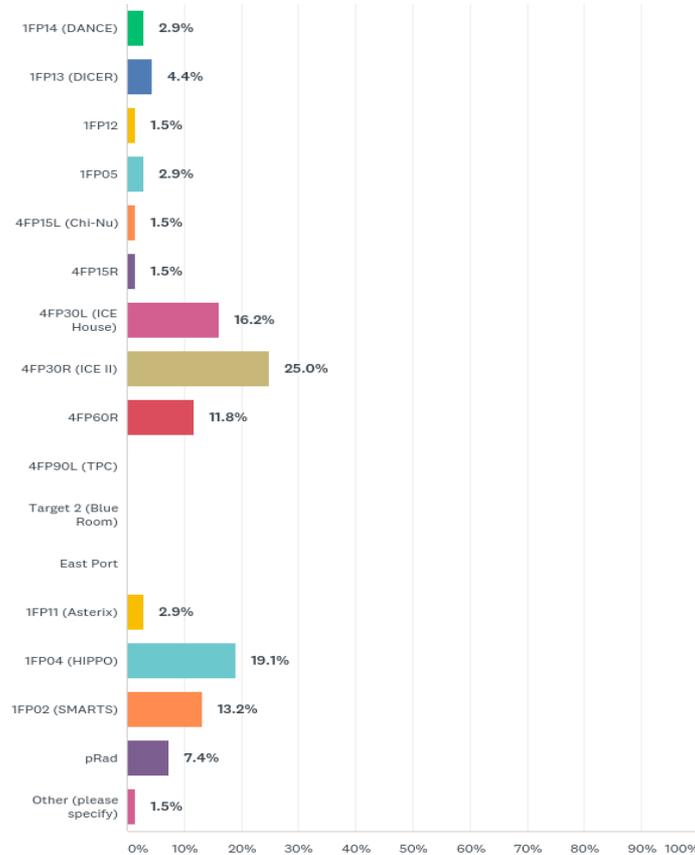


ANSWER CHOICES		RESPONSES	
No (1)	85.5%	59	
Yes (2)	14.5%	10	
TOTAL		69	

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	2.00	1.00	1.14	0.35

Q25: What flight path did you use at LANSCE?

Answered: 68 Skipped: 12



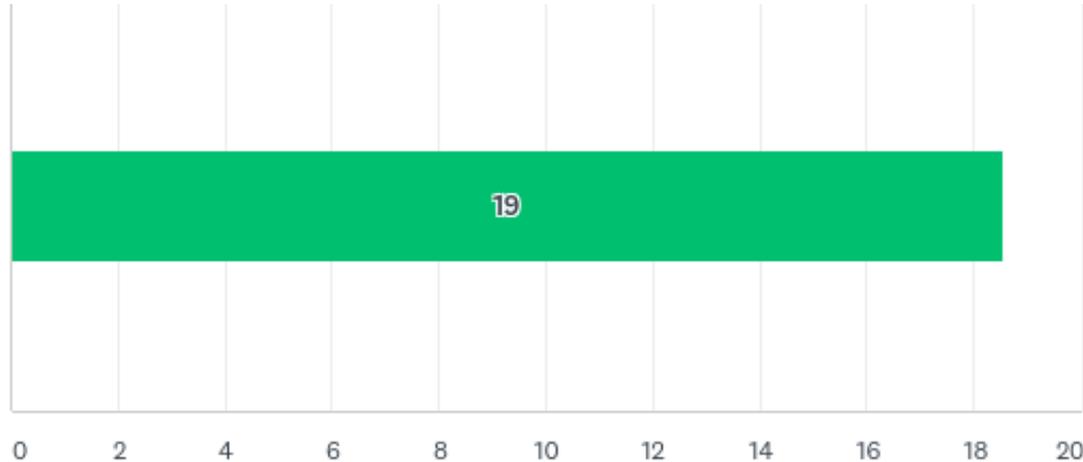
ANSWER CHOICES	RESPONSES	
1FP14 (DANCE) (1)	2.9%	2
1FP13 (DICER) (2)	4.4%	3
1FP12 (3)	1.5%	1
1FP05 (4)	2.9%	2
4FP15L (Chi-Nu) (5)	1.5%	1
4FP15R (6)	1.5%	1
4FP30L (ICE House) (7)	16.2%	11
4FP30R (ICE II) (8)	25.0%	17
4FP60R (9)	11.8%	8
4FP90L (TPC) (10)	0.0%	0
Target 2 (Blue Room) (11)	0.0%	0
East Port (12)	0.0%	0
1FP11 (Asterix) (13)	2.9%	2
1FP04 (HIPPO) (14)	19.1%	13
1FP02 (SMARTS) (15)	13.2%	9
pRad (16)	7.4%	5
Other (please specify) (17)	1.5%	1
Total Respondents: 68		

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
1.00	17.00	8.50	9.93	4.25

Q28: What approximate downtime did you experience during your testing campaign (in %; such as shutter issues, accelerator issues, etc.)?

Answered: 54 Skipped: 26

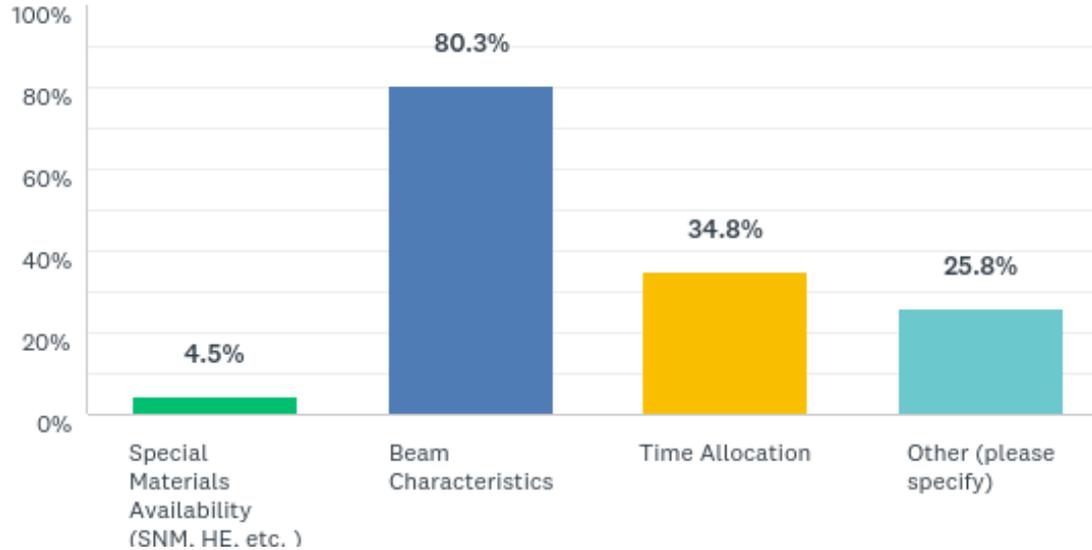


ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
	19	1,001	54
Total Respondents: 54			

BASIC STATISTICS				
MINIMUM	MAXIMUM	MEDIAN	MEAN	STANDARD DEVIATION
0.00	75.00	16.50	18.54	13.82

Q29: Why did you choose to do your experiment at LANSCE? (select all that apply)

Answered: 66 Skipped: 14



Other (please specify):

- Contact from colleagues
- Expertise
- I felt the beamline staff had the best knowledge to work with my materials.
- Development of LANL experimental capability
- Outstanding beamline scientists

ANSWER CHOICES		RESPONSES		
Special Materials Availability (SNM, HE, etc.) (1)	4.5%	3		
Beam Characteristics (2)	80.3%	53		
Time Allocation (3)	34.8%	23		
Other (please specify) (4)	25.8%	17		
Total Respondents: 66				
BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	4.00	2.00	2.56	0.81