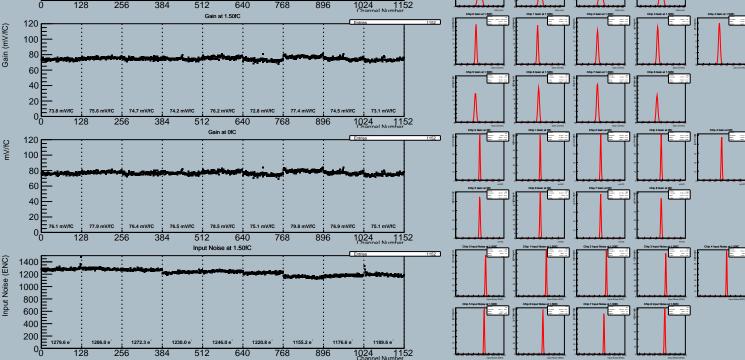
ATLAS ITk Test: Response vs. Channel - Wed Jun 22 15:59:10 2022 - TRIUMF Page 1 Run 1398 Start Scan 10 Stream 0 Module 0 (ABCStar R5H1\_Hybrid2) - Type ABCStar\_Test 250 -50 142.9 mV Gain at 1.50fC 120 = 100 E 120 □ 100 F 1024 1152 Input Noise at 1.50fC 1400 E 

ATLAS ITk Test: Response Curve - Wed Jun 22 15:59:10 2022 - TRIUMF Page 2 Run 1398 Start Scan 10 Stream 0 Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test

© 10 1 Response Cores

© 10 2 Response Cores Chip 0 Gain Chip 1 Gain Chip 2 Gain Chip 3 Gain Chip 4 Gain Chip 5 Gain Chip 6 Gain Chip 7 Gain Chip 8 Gain Chip 3 Output Noise Chip 0 Input Noise Chip 1 Input Noise Chip 2 Input Noise Chip 3 Input Noise Chip 4 Input Noise Chip 5 Input Noise Chip 6 Input Noise Chip 7 Input Noise Chip 8 Input Noise

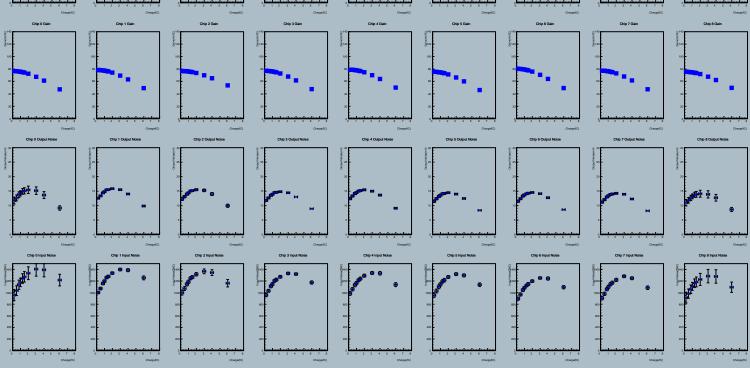
ATLAS ITk Test: Response vs. Channel - Wed Jun 22 15:59:10 2022 - TRIUMF Page 3 Run 1398 Start Scan 10 Stream 1 Module 0 (ABCStar R5H1\_Hybrid2) - Type ABCStar\_Test 250 -Vt50 (mV) 50 = 143.6 mV Gain at 1.50fC 120 -100 E Gain at 0fC 120 □ 100 F 



ATLAS ITk Test: Response Curve - Wed Jun 22 15:59:10 2022 - TRIUMF Page 4 Run 1398 Start Scan 10 Stream 1 Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test

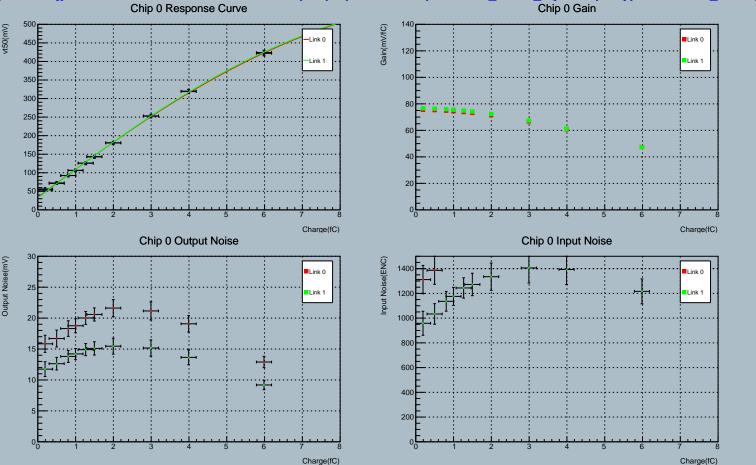
© 10 1 Response Cores

© 10 2 Response Cores Chip 0 Gain Chip 1 Gain Chip 2 Gain Chip 3 Gain Chip 4 Gain Chip 5 Gain Chip 6 Gain Chip 7 Gain Chip 8 Gain Chip 3 Output Noise



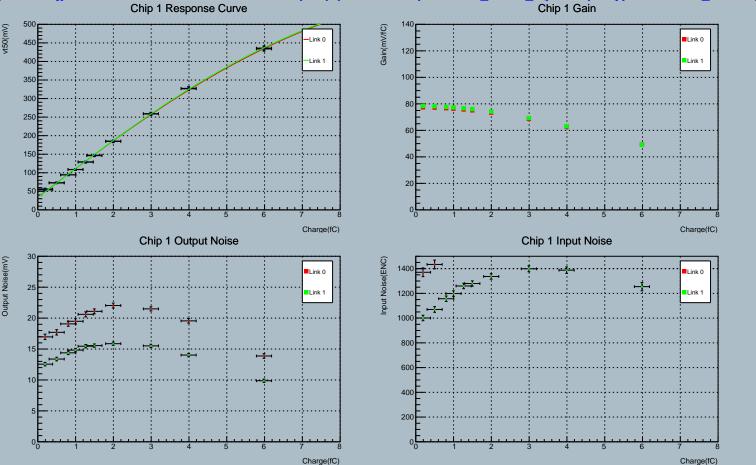
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF





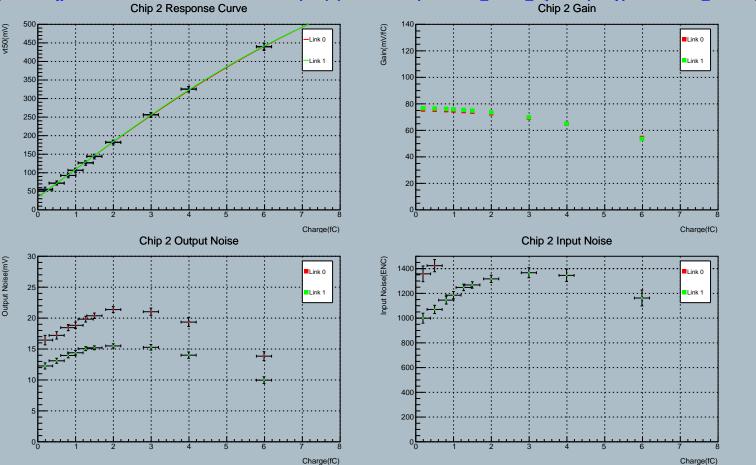
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF

Page 5 Run 1398 Start Scan 10 Chip 1 (9) Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test



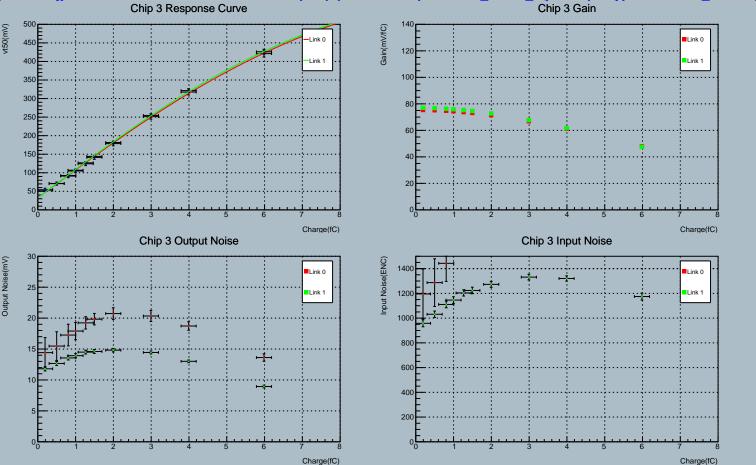
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF

Page 6 Run 1398 Start Scan 10 Chip 2 (8) Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test



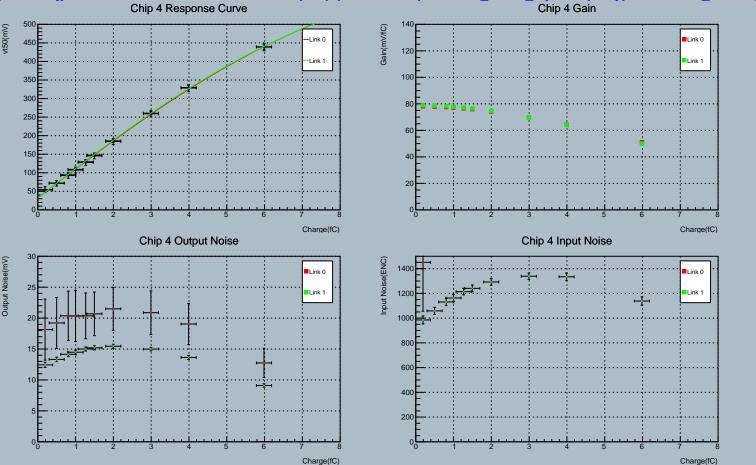
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF

Page 7 Run 1398 Start Scan 10 Chip 3 (7) Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test



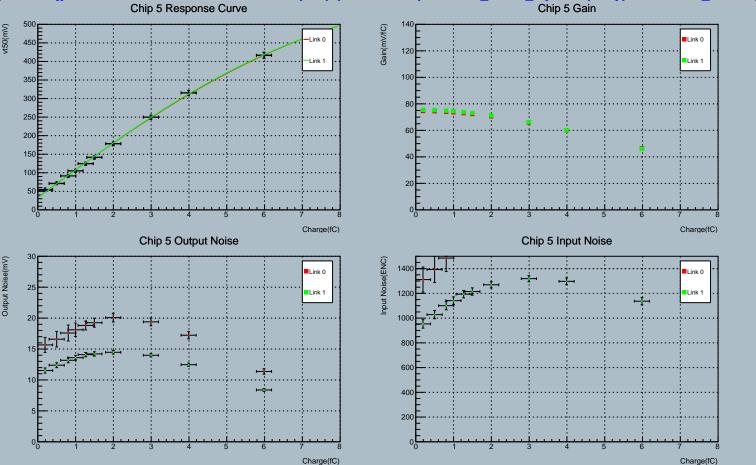
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF

Page 8 Run 1398 Start Scan 10 Chip 4 (6) Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test



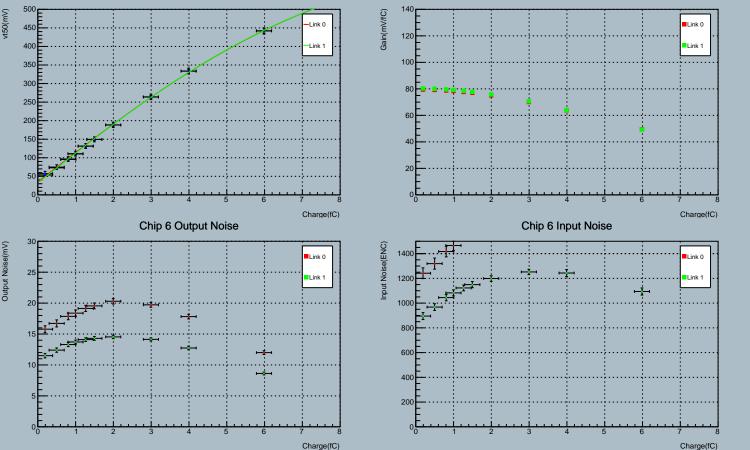
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF

Page 9 Run 1398 Start Scan 10 Chip 5 (5) Module 0 (ABCStar\_R5H1\_Hybrid2) - Type ABCStar\_Test



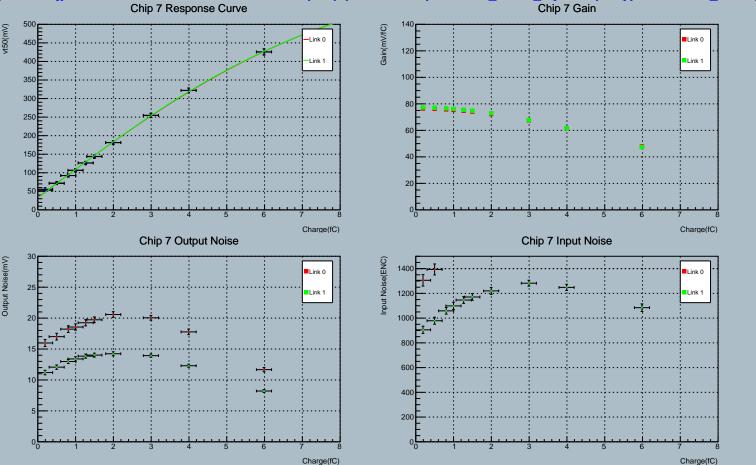
ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF





ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF





ATLAS ITk Test: Response Curve detail - Wed Jun 22 15:59:10 2022 - TRIUMF



