pol2000 meeting on 24/08/04

Fiber Status

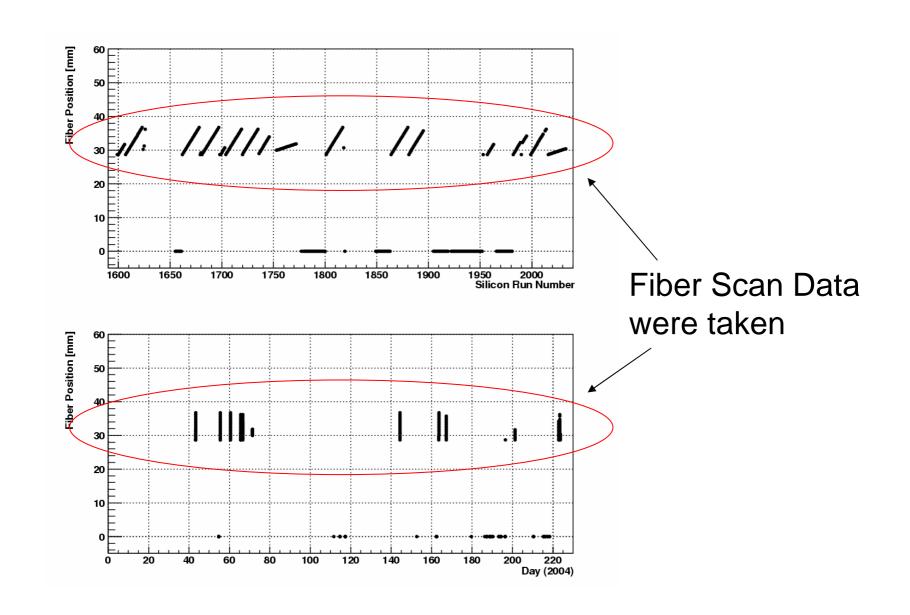
Yongdok Ri @ Tokyo Metropolitan Univ.

Fiber Scan Data on 04 (pre-shutdown)

Some plots from fiber (Signal Shapes, Linearity)

Summary and Future plan

Fiber Scan Data on 04 (pre-shutdown)



Fiber Scan Data on 04 (pre-shutdown)

```
Range
    Run#
                         Step
              Date
                                                           note
                                                   Si seemed to be worth.
 1600-1626 : 13/Feb
                       0.5mm
                               +4
                                      ~ -4
                                             mm
✓ 1662-1680 : 25/Feb
                       0.5mm +4
                                     ~ -4
                                             mm
✓ 1681-1697 : 01/Mar
                       0.5mm +4 \sim -4
                                             mm
 1698-1719 : 06/Mar
                       0.5mm +4 \sim -3.5
                                                     fiber HV was off
                                             mm
✓ 1720-1746 : 07/Mar
                       0.5 \text{mm} + 4
                                     ~ -4
                                             mm (0.25mm +4 \sim -1.5 mm)
 1753-1772 : 12/Mar
                       0.1mm +2.75 \sim +0.85 mm
✓ 1801-1818 : 24/May
                       0.5 \text{mm} + 4
                                     ~ -4
                                             mm
 1864-1880 : 12/Jun
                       0.5 \text{mm} + 4
                                                   Si seemed to be worth.
                                     ~ -4
                                             mm
 1881-1895 : 16/Jun
                       0.5 \text{mm} + 4
                                     ~ -3
                                                   Si seemed to be worth.
                                             mm
                       0.5 \text{mm} + 4 \sim +1
 1957-1963 : 20/Jul
                                             mm
 1982-1995 : 10/Aug
                       0.5mm +4
                                     ~ -1.5
                                             mm
✓1999-2014:11/Aug
                       0.5mm
                               +4
                                     ~ -3.5
                                             mm
 2016-2033 : 11/Aug
                                     ~ +1.6
                       0.1mm
                               +4
                                             mm
```

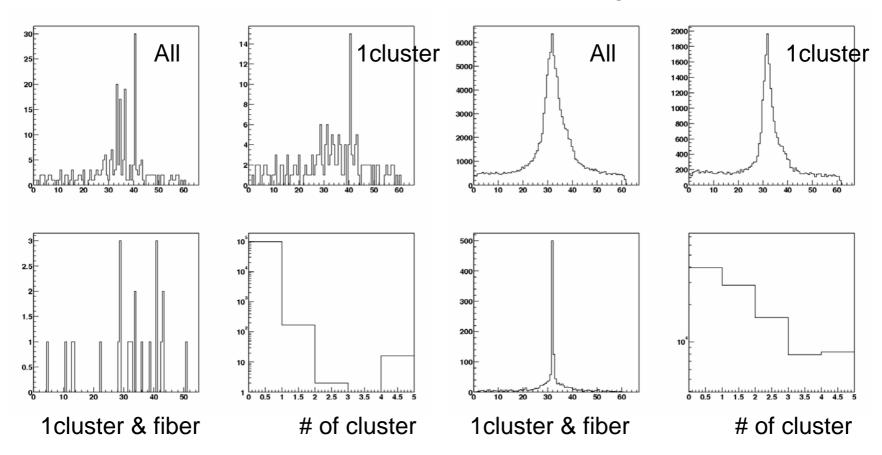
Center position: 261600 motor counts = 32.7mm from home position

5 data sets: for monitoring rad. Damage of Si.

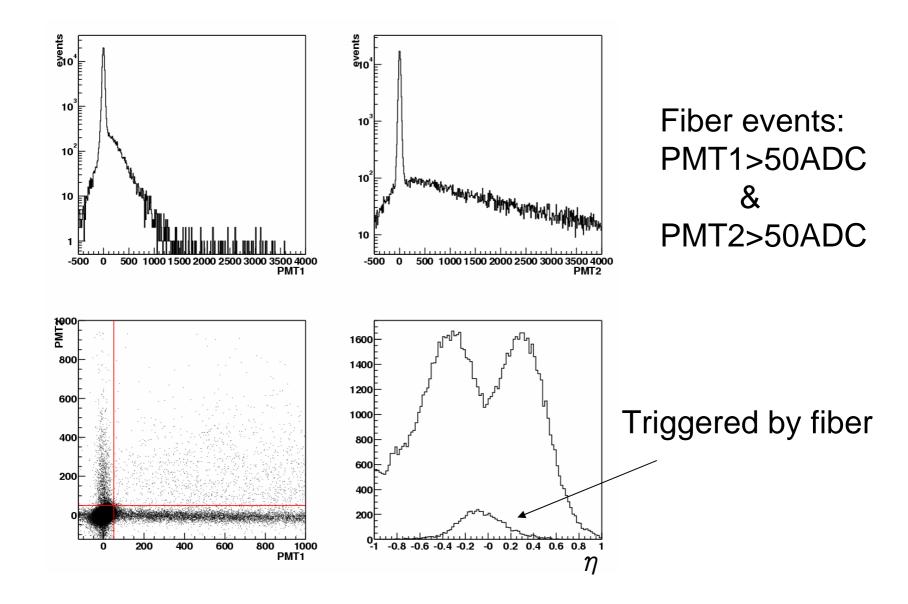
Si distribution on 12/Jun and 11/Aug

12/Jun (Run# 1872)

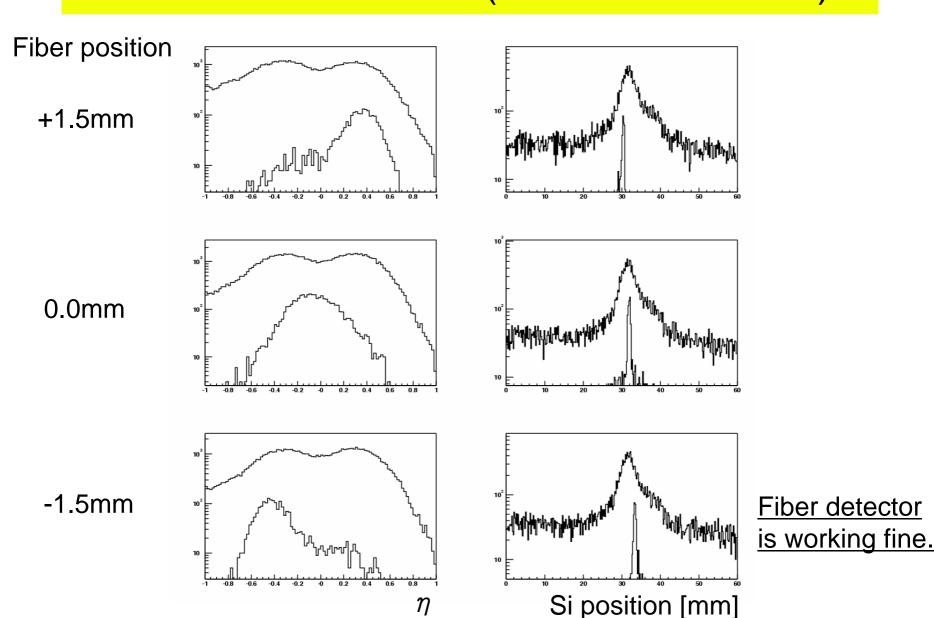
11/Aug (Run# 2007)



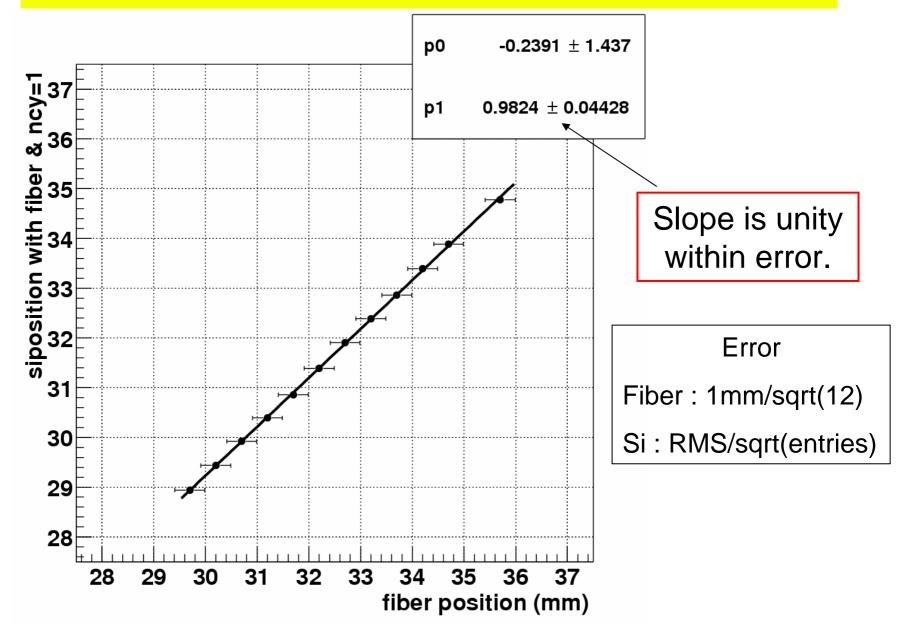
Signal Shapes (data taken on 11/08/04)



eta and Si with fiber(data on 11/08/04)



Linearity Si and fiber (data on 11/08/04)



Summary and Future Plan

- •Fiber is working fine.
- •Good linearity between Si and Fiber.
- •Fiber Scan Data were taken: 5 data sets.
- ⇒Analysis on monitoring radiation damage of Si.