

Station 1 (B7L1U) U plane

0 0 0 0 0 0 0 0 0 0  
 Multiplicity U: 0 Multiplicity V: 0  
 Total Multiplicity: 0  
 0 0 0 0 0 0 0 0 0 0

Station 1 (B7L1U) V plane

Station 3 (A7L1U) U plane

0 0 0 0 0 0 0 0 0 0  
 Multiplicity U: 0 Multiplicity V: 0  
 Total Multiplicity: 0  
 0 0 0 0 0 0 0 0 0 0

Station 3 (A7L1U) V plane

Station 5 (A7R1U) U plane

2 2 3 3 1 2 3 3 4 2  
 Multiplicity U: 25 Multiplicity V: 25  
 Total Multiplicity: 50  
 3 4 2 2 3 2 2 4 1

Station 5 (A7R1U) V plane

Station 7 (B7R1U) U plane

6 5 3 4 1 3 3 2 2 2  
 Multiplicity U: 31 Multiplicity V: 28  
 Total Multiplicity: 59  
 3 4 3 2 3 4 3 2 2 2

Station 7 (B7R1U) V plane

Station 2 (B7L1L) U plane

1 1 0 1 1 1 0 1 1 1  
 Multiplicity U: 8 Multiplicity V: 12  
 Total Multiplicity: 20  
 1 1 1 1 1 2 1 1 2 1

Station 2 (B7L1L) V plane

Station 4 (A7L1L) U plane

1 1 1 1 1 0 1 1 1 2  
 Multiplicity U: 10 Multiplicity V: 15  
 Total Multiplicity: 25  
 1 1 1 1 1 1 1 1 2 5

Station 4 (A7L1L) V plane

Station 6 (A7R1L) U plane

0 0 0 0 0 0 0 0 0 0  
 Multiplicity U: 0 Multiplicity V: 0  
 Total Multiplicity: 0  
 0 0 0 0 0 0 0 0 0 0

Station 6 (A7R1L) V plane

Station 8 (B7R1L) U plane

0 0 0 0 0 0 0 0 0 0  
 Multiplicity U: 0 Multiplicity V: 0  
 Total Multiplicity: 0  
 0 0 0 0 0 0 0 0 0 0

Station 8 (B7R1L) V plane

**ATLAS Preliminary**  
**ALFA**

$\sqrt{s} = 7 \text{ TeV}$ , 2011 data  
 $\beta^* = 90 \text{ m}$ , Run 191373