

For pi0 compare angular distribution at different momentum bins

LH from Hall D

Mom bin (GeV)	Pi0 (mb)	(MHz)	Pi- (mb)	(MHz)	Pi+ (mb)	(MHz)
0 - 1	18.283	9771.24	10.227	5465.82	26.130	13965.47
1 - 2	2.179	1164.50	2.356	1258.96	3.096	1654.65
2 - 3	0.639	341.37	0.809	432.42	0.873	466.53
3 - 4	0.238	127.00	0.360	192.33	0.349	186.56
4 - 5	0.102	54.58	0.169	90.26	0.172	92.10
5 - 10	0.070	37.26	0.152	81.08	0.151	80.82
0 - 0	21.510	11495.92	14.072	7520.84	30.772	16446.40

LH from G4

Mom bin (GeV)	Pi0 (mb)	(MHz)	Pi- (mb)	(MHz)	Pi+ (mb)	(MHz)
0 - 1	20.879	11158.91	10.060	5376.62	26.111	13954.87
1 - 2	3.246	1735.00	2.219	1185.79	2.697	1441.67
2 - 3	1.127	602.26	0.788	421.27	0.712	380.70
3 - 4	0.525	280.84	0.356	190.35	0.298	159.15
4 - 5	0.339	180.99	0.163	87.37	0.123	65.53
5 - 10	0.321	171.63	0.140	74.89	0.117	62.41
0 - 0	26.461	14142.11	13.727	7336.29	30.058	16064.35

LD from Hall D

Mom bin (GeV)	Pi0 (mb)	(MHz)	Pi- (mb)	(MHz)	Pi+ (mb)	(MHz)
0 - 1	36.565	23258.31	36.359	23127.00	36.359	23127.00
1 - 2	4.358	2771.83	5.452	3467.62	5.452	3467.62
2 - 3	1.277	812.56	1.682	1069.88	1.682	1069.88
3 - 4	0.475	302.29	0.709	450.94	0.709	450.94
4 - 5	0.204	129.91	0.341	217.04	0.341	217.04
5 - 10	0.139	88.69	0.303	192.68	0.303	192.68
0 - 0	43.019	27363.54	44.846	28525.58	44.846	28525.58

LD from G4

Mom bin (GeV)	Pi0 (mb)	(MHz)	Pi- (mb)	(MHz)	Pi+ (mb)	(MHz)
0 - 1	72.787	46297.94	30.524	19415.73	31.118	19793.28
1 - 2	6.873	4371.82	5.809	3694.67	5.195	3304.61
2 - 3	2.247	1429.19	1.673	1064.09	1.310	833.17
3 - 4	1.212	770.76	0.770	489.92	0.525	333.89
4 - 5	0.648	411.91	0.343	218.44	0.275	174.75
5 - 10	0.966	614.74	0.339	215.31	0.250	159.15
0 - 0	84.757	53911.94	39.458	25098.12	38.673	24598.81

Material: targetmat density: 169.000 mg/cm3 RadL: 7.454 m Nucl.Int.Length: 2.628 m Imean: 19.200 eV

---> Element: Deuterium (D) Z = 1.0 N = 2.0 A = 2.01 g/mole
 ---> Isotope: D2 Z = 1 N = 2 A = 2.01 g/mole abundance: 100.00 %
 ElmMassFraction: 100.00 % ElmAbundance 100.00 %

Material: targetmat density: 71.000 mg/cm3 RadL: 8.898 m Nucl.Int.Length: 4.979 m Imean: 19.200 eV

---> Element: Hydrogen (H) Z = 1.0 N = 1.0 A = 1.01 g/mole
 ---> Isotope: H1 Z = 1 N = 1 A = 1.01 g/mole abundance: 100.00 %
 ElmMassFraction: 100.00 % ElmAbundance 100.00 %