

NCX cross section calculation by T.Harada for 4He target (March, 2006)

4He(K<sup>-</sup>,pi<sup>-</sup>)4(Lambda)He(0<sup>+</sup>)

beam momentum	cross section (ub/sr)		
	theta=2	theta=4	theta=12
600	1703.7	1640.4	937.4
650	1807.3	1710.5	841.8
700	1929.6	1800.2	791.9
750	2024.1	1845.1	773.5
800	2041.1	1366.1	745.8
850	1880.5	1345.3	676.0
900	1472.7	1508.5	565.1
950	1603.3	1640.9	438.1
1000	1709.0	1626.3	322.5
1050	1730.8	1449.6	232.5
1100	1583.8	1162.6	168.1
1150	1283.3	865.8	123.3
1200	955.3	630.5	92.6

4He(pi<sup>+</sup>,K<sup>+</sup>)4(Lambda)He(0<sup>+</sup>)

beam momentum	cross section (ub/sr)		
	theta=2	theta=4	theta=12
1000	8.4	7.9	3.3
1050	9.8	9.2	3.4
1100	10.2	9.6	3.2
1150	10.4	9.6	2.9
1200	10.6	9.7	2.6
1250	11.1	10.0	2.4
1300	12.3	10.9	2.4
1350	14.5	12.5	2.3
1400	16.1	14.0	2.2
1450	16.2	14.3	1.9
1500	15.4	13.8	1.6