

**E132 ( $\pi\Lambda$ ) I.Arai**  
**Cumulative  $\Lambda$  Production in High Energy Hadron-Nucleus Reaction**

**E187 ( $\pi\Lambda$ ) I.Arai**  
**Study of Backward  $\Lambda$  Production in High Energy Hadron-Nucleus Reaction**

**E132**

Submitted	1985.2.13
Approved	1985.4.8
Beam line	$\pi 2$
Shift requested	110
Shift executed	57.8
Executed cycles	86[3,4,5,6,7,8]

**E187**

Submitted	(1988.1.14)
Approved	1988.7.12
Beam line	$\pi 2$
Shift requested	160
Shift executed	167.1
Executed cycles	89[8,9,10,11,12]

**Papers and activities**

[Legend]

- Physics papers published in refereed journal
- Technical papers
- ★ PhD theses
- ◇ Conference and Symposium
- \* Internal Report and others

- A. Manabe et al.  
Polarization and Cross Sections of  $\Lambda$  Hyperons Produced at Backward Angles in the Reaction  $\pi^+ {}^{12}\text{C} \rightarrow \Lambda + X$  at 4 GeV/c  
Phys. Rev. Lett.63 (1989) 490.
- M. Ninomiya et al.  
A Small-Sized MWPC with 1mm Wire Spacing as a Beam/Target Chamber for Nuclear Experiments  
Nucl. Instr. Meth. A272 (1988) 727.
- M. Tanaka et al.  
Performance of a Silicon Microstrip Detector with a New Type of Preamplifier for Nuclear Experiments  
Nucl. Instr. Meth. A284 (1989) 296.
- ★ A. Manabe  
Measurement of  $\Lambda$  Polarizations and Production Cross Sections at Backward Angles in the  $\pi^+ {}^{12}\text{C} \rightarrow \Lambda X$  at 4 GeV/c  
University of Tsukuba, 1988

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