

E160 (ECHO) H. Ejiri Polarization and Weak Decay of Hypernuclei

Submitted	1987.1
Approved	1989.3.15
Beam line	K2
Shift requested	120
Shift executed	247.5
Executed cycles	89[8,9,10,11], 90[4,5,6,7]

Papers and activities

[Legend]

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

- H.Ejiri et al.
Spin Polarization and Spin Alignment in Hypernuclei
Phys.Rev.Lett.C36 (1987) 1435.
- T.Kishimoto et al.
Quasifree $^{12}\text{C}(\pi^+, p)$ Reaction and the πN Amplitude in Nuclei
Phys.Rev.C43 (1991) 1454.
- S.Ajimura et al.
Polarization of Λ Hyperons Produced by the Quasifree (π^+, K^+) Reaction on ^{12}C
Phys.Rev.Lett.68 (1992) 2137.
- S.Ajimura et al.
Polarization and Weak Decay of Λ Hypernuclei Produced by the (π^+, K^+) Reaction on ^{12}C
Phys.Lett.B282 (1992) 293.
- S.Ajimura et al.
Polarization and Weak Decay of Λ hypernuclei Produced by the $^{12}\text{C}(\pi^+, K^+)$ reaction
Nucl.Phys.A547 (1992) 47., Proc.Int.Conf. on "Hypernuclear and Strange Particle Physics",
Shimoda, Dec.9-12, 1991
- T.Kishimoto and S.Ajimura
Polarization of Λ Produced by the Quasifree (π^+, K^+) Reaction
Prog.Theo.Phys. (1993) 1021.
- L.Lee et al.
An Active Segmented Target for Studying Hypernuclear Production
Nucl.Instr.Meth. A327 (1993) 287.
- T.Kishimoto and H.Ejiri
Polarization and Decays of Λ hypernuclei Produced by (π^+, K^+) Reaction
Prog. Theo. Phys. suppl. Nov.30-Dec.3, 1994, to be published
- T.Kishimoto et al.
Production of Polarized Hypernuclei in the (K^-, π^-) Reaction in the GeV/c Region
Phys.Lett.B232 (1989) 24.
- H.Ejiri et al.
Spin Polarization of Λ Hypernuclei Produced by Compound Process of $(\pi^+, K^+ n p \gamma)$ Reactions
Phys.Lett.B225 (1989) 35.
- ◇ M.Akei et al.

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

A Broad Range Spectrometer Pick for Medium-Energy Meson Spectroscopy
Nucl.Instr.Meth.A283 (1989) 46.

★ M.Ishikawa

Λ Hyper kaku karano kaden houkai ryushino douteito ${}^6_{\Lambda}\text{Li}$ no kouzou
Osaka University, 1994

◇ H.Ejiri et al.

Spin Polarization of Hypernuclei

The Late Taro Taira, "Nuclear Collective Motion and Nuclear Reaction Dynamics" (1989)

◇ H.Ejiri et al.

Production of Polarized Hypernuclei via (π^+, K^+) Reaction for Studying Weak Decay of Λ Hypernuclei

Proc.Int.Conf. on Weak and Electromagnetic Interactions in Nuclei, May, 1989, Montreal, 665

◇ H.Ejiri et al.

Spin-Polarization of Λ Hypernuclei Produced by Compound Process of $(\pi^+, K^+ \rightarrow n\pi^0\gamma)$ Reactions

Proc.Int.Yamada Conf. on Nuclear Weak Process and Nuclear Structure, June, 1989, Osaka,
Edited by M.Morita and H.Ohtsubo, World Scientific Pub., 190

◇ A.Higashi et al.

Polarization and Decays of Λ hypernuclei Produced by (π^+, K^+) Reaction

Proc.of the Japan-China Joint Nuclear Physics Symposium "Recent Topics on Nuclear Physics",
Nov.30-Dec.3 1992, Prog.Theo.Phys.Supp. 163.

● Physics papers published in refereed journal.

○ Technical papers.

★ PhD theses.

◇ Conference and Symposium.

* Internal Report and others.