

Lectures, Text Books

Dr. F.Suekane
Associate Professor
RCNS, Tohoku University, Japan
APC/CNRS, France
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++ Text Books ++

2016 「現代素粒子物理：実験的観点からみる標準理論」

末包文彦，久世正弘，白井淳平，湯田春雄

森北出版株式会社，2016年12月

("Modern Elementary Particle Physics:
Experimental Perspective of the Standard Model"

by F.Suekane, M.Kuze, J.Shirai and H.Yuta
Morikita Publishing Co. , Ltd.

Dec./2016)

ISBN: 978-4-627-15581-7

2015 "Neutrino Oscillations: A Practical Guide to Basics and Applications"

Springer, Lecture Notes in Physics 898, pp.185

by F.Suekane

DOI: [10.1007/978-4-431-55462-2](https://doi.org/10.1007/978-4-431-55462-2)

Comment: This book is selling well.

2011 「素粒子・原子核物理の基礎」

末包文彦，白井純平，湯田春雄 共訳

共立出版，2011年

"Introduction to elementary particle and nuclear physics",

by F.Suekane, J.Shirai, H.Yuta, (Kyoritsu Publishing), pp.420

Translation of "Introduction to Nuclear and Particle Physics",

by A.Das and T.Ferbel

ISBN: 978-4-320-03467-9

Comment: A selected book of Japan Library Association

++ Tohoku University Lectures ++

2017 There were no lectures due to sabbatical leave to APC/France.

2016 Elementary Particle Physics Basic,

Elementary Particle Physics Basic, (for foreign students)

2015 Special Relativity,

- Elementary Particle Physics Basic**,
 2014 **Special Relativity**,
Elementary Particle Physics Basic,
Elementary Particle Physics Basic, (for foreign students)
 2013 **Special Relativity**,
Elementary Particle Physics Basic,
Structure of Nature, "Ultimate Structure of Matter"
 2012 **Elementary Particle Physics Basic**,
Elementary Particle Physics Basic, (for foreign students)
 2011 **Elementary Particle Physics Basic**,
Experiments for Natural Science
 2010 **Experimental Technique**,
Advanced Elementary Particle Physics (for foreign students)
 2009 **Experimental Technique**,
Dynamics of Waves and Oscillations
 2008 **Dynamics**
Dynamics
 2007 **Dynamics**
Dynamics
 2006 **Dynamics**
Elementary Particle Physics
Invitation to Physics Science
 2005 **Elementary Particle Physics**
Basic Seminar (Learn about modern science)
 2004 **Non Accelerator Physics**
Physics Mathematics
 2003 **Elementary Particle Physics**
Dynamics
 2002 **Dynamics**
Dynamics of Waves and Oscillations
 2001 **Elementary Particle Physics, Special Lecture**
 2000 **Invitation to Physics Science**
 1999 **Invitation to Physics Science**
 1998 **Elementary Particle Physics, Special Lecture**

++ High Schools ++

- 2015 **Seiryō High School**, (How to detect elementary particles (Neutrino))
 2013 **Iwate Mizusawa High School**, (How to detect elementary particles)
 2012 **Sendai dai 2 High School**, (How to detect Higgs particle and neutrino)
 2010 **Morioka dai 3 High School**, (How to detect elementary particles)
 2008 **Miyagino High School**, (How to detect elementary particles)
 2006 **Fukushima Seikei High School**, (How to detect neutrino)
 2004 **Shiroishi High School**, (How to detect elementary particles)

++ Other Lectures ++

- 2016 **Neutrino and Elementary Particle Physics**, (Toho Univ.)
- 2015 **Neutrino Oscillation and Related Physics**, (Tokyo Metropolitan Univ.)
- 2012 **Reactor Neutrino Oscillations**, (Sapporo Winter School)
- 2011 **Neutrino Physics**, (France Asia Particle Physics School)
- 2006 **Neutrino and Natural Radiation**, (Reeducation for radiation workers)
- 2005 **National Defense Academy** (Neutrino Physics)
- 2003 **How to Detect Neutrinos**, (Open Campus)
About Neutrino Detection, (Training for Technical Staffs)
- 2002 **Nagoya Univ.** (Neutrino Oscillation)