

**Modulbezeichnung:** Journal Club: Recent Publications in Astroparticle Physics (PW) 5 ECTS

(Journal Club: Recent Publications in Astroparticle Physics)

Modulverantwortliche/r: Stefan Funk

Lehrende: Dmitry Malyshev, Thorsten Glüsenkamp, Stefan Funk

Startsemester: SS 2018

Dauer: 1 Semester

Turnus: unregelmäßig

Präsenzzeit: 45 Std.

Eigenstudium: 105 Std.

Sprache: Englisch

**Lehrveranstaltungen:**

Journal Club: Recent Publications in Astroparticle Physics (SS 2018, Seminar, 3 SWS, Stefan Funk et al.)

**Inhalt:**

**Contents**

This is a student seminar to learn about recent topics in astrophysics by the study of actual scientific papers. The class is for master's and PhD students with some background in physics. Prior knowledge in astrophysics is not necessary. The class will be in English.

**Lernziele und Kompetenzen:**

**Learning goals and competences:**

Students

- comprehend an interesting physical topic in a short time frame
- identify and interpret the appropriate literature
- select and organize the relevant information for the presentation
- compose a presentation on the topic at the appropriate level for the audience
- give a presentation to a scientific audience and use the appropriate presentation techniques and tools
- criticize and defend the topic in a scientific discussion

**Literatur:**

**Literature:**

Primary literature will be provided by the supervisors of the individual topics.

**Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:**

Das Modul ist im Kontext der folgenden Studienfächer/Vertiefungsrichtungen verwendbar:

**[1] Physics (Master of Science): ab 1. Semester**

(Po-Vers. 2015s | NatFak | Physics (Master of Science) | Master's examination | Physics elective courses)

Dieses Modul ist daneben auch in den Studienfächern "Physik (1. Staatsprüfung für das Lehramt an Gymnasien)", "Physik (Bachelor of Science)", "Physik (Master of Science)", "Physik mit integriertem Doktorandenkolleg (Bachelor of Science)", "Physik mit integriertem Doktorandenkolleg (Master of Science)" verwendbar.

**Studien-/Prüfungsleistungen:**

Journal Club: Recent Publications in Astroparticle Physics (Prüfungsnummer: 141943)

(englische Bezeichnung: Journal Club: Recent Publications in Astroparticle Physics)

Prüfungsleistung, Seminarleistung

Anteil an der Berechnung der Modulnote: 100%

weitere Erläuterungen:

Two presentations of 20-25 minutes

Prüfungssprache: Englisch

Erstablingung: SS 2018, 1. Wdh.: SS 2018 (nur für Wiederholer)

1. Prüfer: Stefan Funk, 2. Prüfer: Dmitry Malyshev

**Bemerkungen:**

The topics of the Journal club will be typically linked to the ECAP seminar that will follow the journal club:

<https://ecap.nat.fau.de/index.php/news-and-events/seminar/>

We usually ask the speakers to suggest several introductory papers related to their presentation at the seminar. We also ask the seminar speakers to come to the Journal club as well.

To get credits for the class, each student will have to make two presentations ( 20 - 25 min). The presentations are not graded, the only requirement is to make two presentations during the semester.