

PAUL SCHERRER INSTITUT



Particle Theory Seminar

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“Automatic classification of galaxy morphology with
ZEST+”

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Abstract:

Galaxy morphologies are an important indicator of galaxy dynamics and its evolution with cosmic time. The simplest method for assessing a galaxy’s morphological type involves the visual inspection of high resolution images. However, in current and future astronomical surveys, where hundreds of thousands of galaxies must be classified, such an approach becomes unfeasible.

In this seminar I will present ZEST+, a state-of-the-art automatic classification software, that is enabling us to analyse morphologies in extremely large galaxy samples.