

750th ASRC Seminar

Date: Mar. 7 (Thu), 15:00~

Location: Room 302, ASRC Bldg.

Speaker: Dr. Guang-Juan Wang
(Peking University)

Title: The radiative decays of the singly heavy baryons in chiral perturbation theory.

Abstract:

I talk about radiative decays of the singly heavy baryons in the framework of the heavy baryon chiral perturbation theory (HBChPT). The radiative decay amplitudes of the singly heavy baryons are calculated up to the next-to-next-to-leading order (NNLO). In the numerical analysis, we adopt the heavy quark symmetry to relate some low-energy constants (LECs) with those LECs in the calculation of the magnetic moments. We use the results from the lattice QCD simulation as input. With a set of unified LECs, we obtain the numerical (transition) magnetic moments and radiative decay widths.

なお、今回のセミナーは、第79回「原子核ハドロン物理セミナー」
を兼ねております。セミナー内容は
http://silver.j-parc.jp/hadron/hadron_seminar/index.html
でご覧になれます

<Contact>

Toshiki Maruyama (81-5457)
Advanced Science Research Center