

Patipan Uttayarat

Personal Data

Date of birth July 14, 1982.
Place of birth Yala, Thailand.
Citizenship Thailand.

Professional Experience

2017 – present Assistant Professor, Department of Physics, Srinakharinwirot University.
2014 – 2017 Lecturer, Department of Physics, Srinakharinwirot University.
2013 – 2014 Research Associate, Department of Physics, University of Cincinnati.

Education

2006 – 2012 Ph.D. in physics, University of California, San Diego.
– Advisor: Prof. Dr. B. Grinstein.
2002 – 2006 B.S. in physics, University of Virginia.

Community Work

2014 – present Referee for Physical Review D.
2012 – present Referee for Physics Letters B.

Schools and Workshops

2019 Thailand School on High Energy and Astro-Physics, “SHEAP 2019: Gravitation and Black Holes.”
2019 Thai-CTA Workshop on Astroparticle Physics.
2018 Thailand School on High Energy and Astro-Physics, “SHEAP 2018”

Publication

2018 R. Primulando and P. Uttayarat, “Dark Matter-Neutrino Interaction in Light of Collider and Neutrino Telescope Data,” JHEP **1806**, 026 (2018).
2017 R. Primulando and P. Uttayarat, “Probing Lepton Flavor Violation at the 13 TeV LHC,” JHEP **1705**, 055 (2017).
2016 B. Grinstein, C. W. Murphy and P. Uttayarat, “One-loop corrections to the perturbative unitarity bounds in the CP-conserving two-Higgs doublet model with a softly broken Z_2 symmetry,” JHEP **1606**, 070 (2016).

- 2016 F. Bishara, J. Brod, P. Uttayarat and J. Zupan, "Nonstandard Yukawa Couplings and Higgs Portal Dark Matter," JHEP **1601**, 010 (2016)
- 2015 J. Brod, A. Greljo, E. Stamou and P. Uttayarat, "Probing anomalous $t\bar{t}Z$ interactions with rare meson decays," JHEP **1502**, 141 (2015).
- 2014 D. Pirtskhalava, L. Santoni, E. Trincherini and P. Uttayarat, "Inflation from Minkowski Space," JHEP**1412**, 151 (2014).
- 2014 B. Grinstein, D. Pirtskhalava, D. Stone and P. Uttayarat, " B decays to two pseudoscalars and a generalized $\Delta I = \frac{1}{2}$ rule," Phys. Rev. D **89**, 114014 (2014).
- 2014 B. Grinstein, C. W. Murphy, D. Pirtskhalava and P. Uttayarat, "Theoretical Constraints on Additional Higgs Bosons in Light of the 126 GeV Higgs," JHEP **1405**, 083 (2014).
- 2013 B. Grinstein and P. Uttayarat, "Carving Out Parameter Space in Type-II Two Higgs Doublets Model," JHEP **1306**, 094 (2013) [Erratum-ibid. **1309**, 110 (2013)].
- 2012 B. Grinstein, C. W. Murphy, D. Pirtskhalava and P. Uttayarat, "Massive Spin-2 States as the Origin of the Top Quark Forward-Backward Asymmetry," JHEP **1208**, 073 (2012).
- 2012 D. Pirtskhalava, P. Uttayarat, "CP Violation and Flavor SU(3) Breaking in D-meson Decays," Phys. Lett. B **712**, 81 (2012).
- 2012 D. C. Stone, P. Uttayarat, "Explaining the $t\bar{t}$ Forward-Backward Asymmetry from a GUT-Inspired Model," JHEP **1201**, 096 (2012).
- 2011 B. Grinstein, P. Uttayarat, "A Very Light Dilaton," JHEP **1107**, 038 (2011).
- 2011 B. Grinstein, R. Kelley, P. Uttayarat, "One Loop Renormalization of the Littlest Higgs Model," JHEP **1102**, 089 (2011).
- 2011 Z. Surujon, P. Uttayarat, "Spontaneous CP Violation and Light Particles in The Littlest Higgs," Phys. Rev. **D83**, 076010 (2011).
- 2010 B. Grinstein, R. Kelley, P. Uttayarat, "Hidden Fine Tuning In The Quark Sector Of Little Higgs Models," PoS **ICHEP2010**, 392 (2010).
- 2009 B. Grinstein, R. Kelley and P. Uttayarat, "Hidden fine tuning in the quark sector of little higgs models," JHEP **0909**, 040 (2009).