

# LEPP Seminar

## Stefan Schacht

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**Extraction of  $V_{cb}$   
from  $B \rightarrow D^* l \nu$  and  
SM prediction of  $R(D^*)$**



We extract  $V_{cb}$  from recent preliminary Belle data on  $B \rightarrow D^* l \nu$  and point out the impact of theoretical assumptions implied by different parametrizations used to fit the data. Furthermore, we give a SM prediction for the lepton flavor nonuniversality observable  $R(D^*)$ , taking into account input from Heavy Quark Effective Theory in a conservative way.

**Friday**

**August 31, 2018**

**12:30pm**

**401 Physical Sciences Bldg.**