



LABORATOIRE ONDES
et MILIEUX COMPLEXES



Elementary processes in BeH^+ molecular plasma

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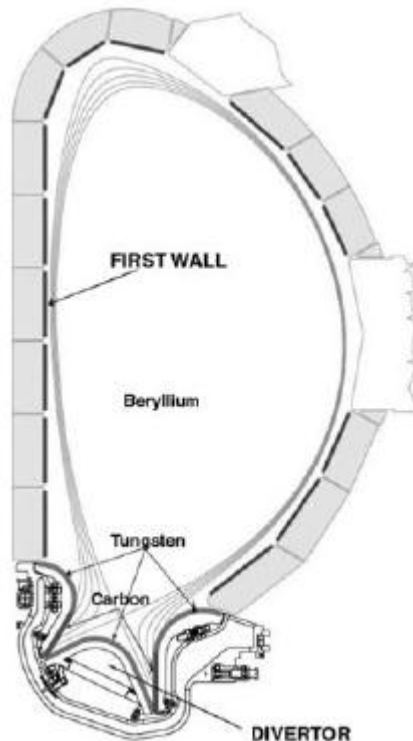
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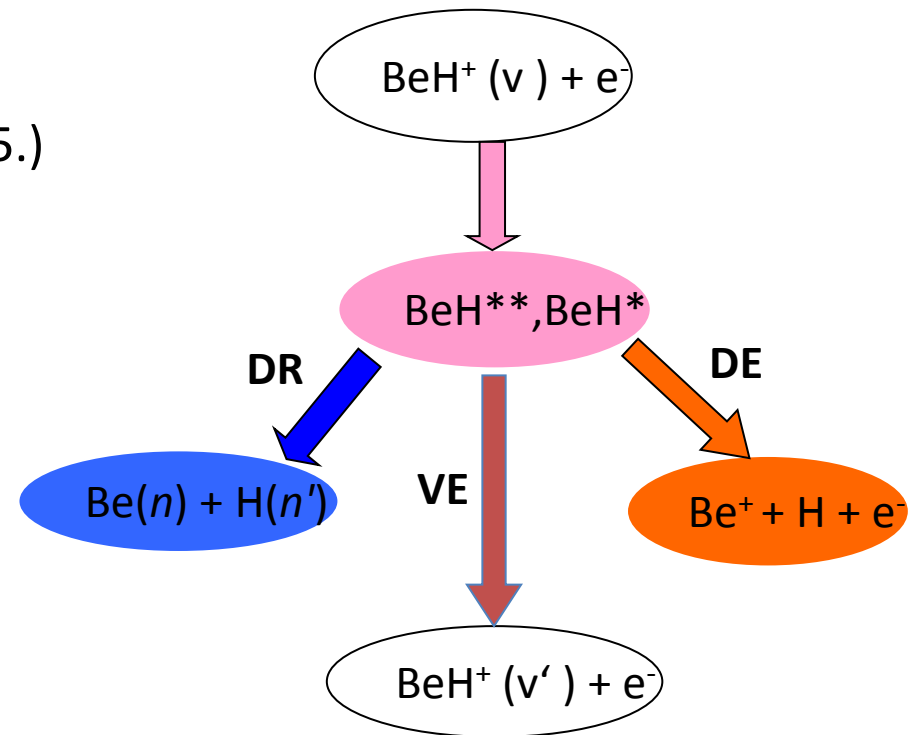
A. Introduction

1. Future use of Be in fusion

Be: plasma facing material in fusion devices
(as shown in **Clark R.E.H. & Reiter D.H. ,
Nuclear Fusion Research: Understanding
Plasma-Surface interaction, Springer, 2005.**)



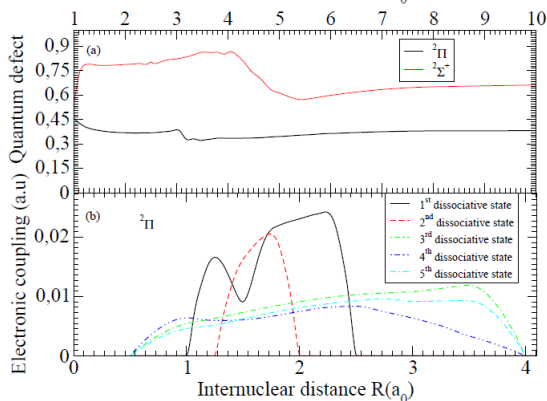
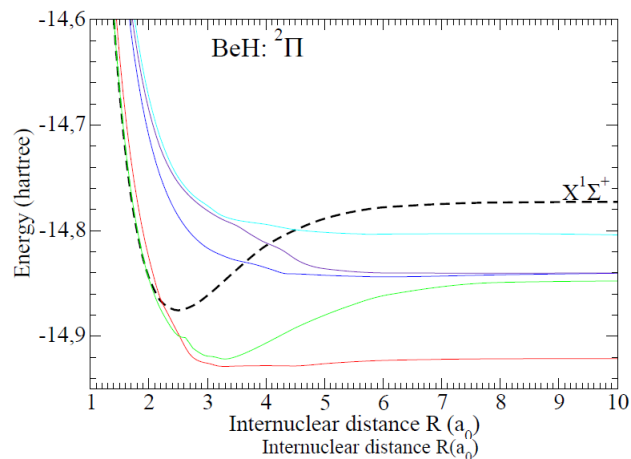
2. Mechanisms of DR, VE&DE



DR, VE & DE well described by Multi-channel Quantum Defect Theory (MQDT)

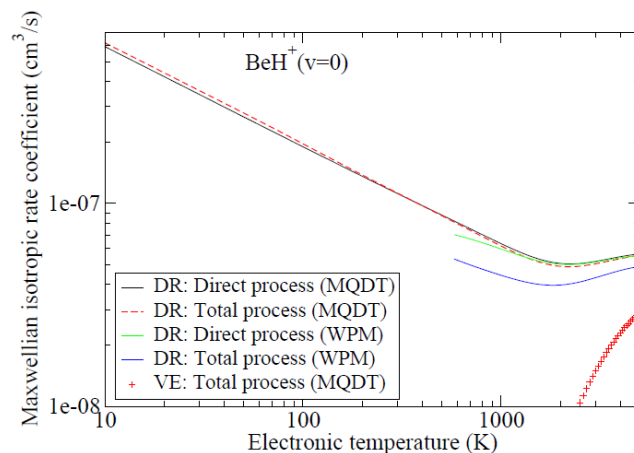
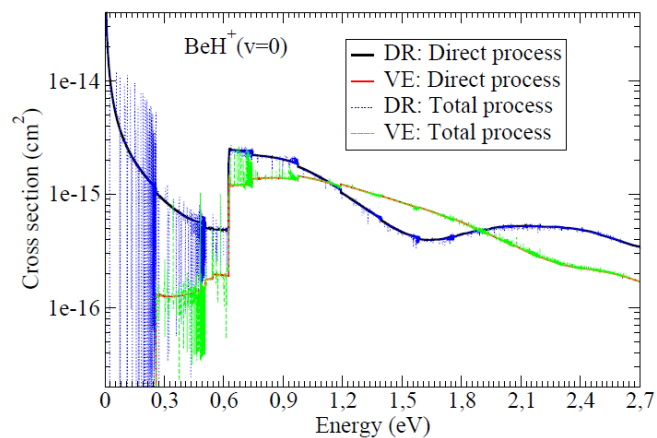
B. Molecular data and results by MQDT

1. Molecular data



- *ab initio* MRCI
- Diabatization procedure

2. Results



Thanks for your attention

Further details are provided on my poster.

Your questions and suggestions are
welcome.