



Nuclear  $a_1$  RGM  
 Nuclear  $a_1$  Micro  
 Nuclear  $r_1$  RGM  
 Nuclear  $r_1$  Micro  
 Unitary  $a_1$  RGM  
 Unitary  $a_1$  Micro  
 Unitary  $r_1$  RGM  
 Unitary  $r_1$  Micro