

# RPC prototypes fabrication for INO experiment

## Quality control data

<i>RPC identification</i>	
<i>Overall QC summary</i>	

*Table 1: Glass plates*

<i>Glass make</i>		
<i>Glass cut or resized by</i>		
<i>Parameters</i>	<i>Sheet 1</i>	<i>Sheet 2</i>
<i>Length (mm)</i>		
<i>Breadth (mm)</i>		
<i>Thickness (mm)</i>		
<i>Comment on dimensions</i>		
<i>Comment on surface quality</i>		
<i>Cleaned by</i>		

*Table 2: Spacers & gas nozzles*

<i>Parameters</i>	<i>Values</i>
<i>Spacers prepared &amp; cleaned by</i>	
<i>Spacers checked by</i>	
<i>Nozzles prepared &amp; cleaned by</i>	
<i>Nozzles checked by</i>	

*Table 3: RPC assembly*

<i>Parameters</i>	<i>Values</i>
<i>Glued on (Date &amp; Time)</i>	
<i>Glue used (Description)</i>	
<i>Glue prepared by</i>	
<i>RPC glued by</i>	
<i>Gluing checked by</i>	
<i>Comments &amp; Observations</i>	
<i>Second side gluing done on (Date &amp; Time)</i>	
<i>Second side gluing done by</i>	
<i>Comments &amp; Observations</i>	
<i>Glue repairs done on (Date &amp; Time)</i>	
<i>Glue repairs done by</i>	
<i>Comments &amp; Observations</i>	

*Table 4: Leak tests*

<i>Parameters</i>	<i>Attempt 1</i>	<i>Attempt 2</i>	<i>Attempt 3</i>
<i>Date &amp; Time</i>			
<i>Done by</i>			
<i>Over pressure (mm)</i>			
<i>Time waited(hh:mm)</i>			
<i>Pressure drop (mm)</i>			
<i>Result (Pass/fail)</i>			

*Table 5: Gas flow tests*

Parameters	Attempt 1	Attempt 2	Attempt 3
<i>Date &amp; Time</i>			
<i>Done by</i>			
<i>Flow rate (SCCM)</i>			
<i>Bubbles /min</i>			
<i>Result (Pass/fail)</i>			

*Table 6: Graphite coating*

Parameters	Attempt 1	Attempt 2	Attempt 3
<i>Date &amp; Time</i>			
<i>Proportion</i>			
<i>Coat prepared by</i>			
<i>Coated by</i>			
<i>Comments</i>			

*Table 7: Graphite resistance measurements*

Date & Time	Side 1		Side 2	
	Orientation1	Orientation2	Orientation1	Orientation2
<i>HV polarity</i>				

Table 8: *RPC preparation*

Parameters	Values
<i>HV contacts prepared on (Date &amp; Time)</i>	
<i>HV contacts prepared by</i>	
<i>RPC cleaned &amp; mylars stuck on(D &amp; T)</i>	
<i>RPC cleaned &amp; mylars stuck by</i>	

Table 9: High voltage tests