Oman Projects Ian Crotty

 4 July 2017

RPC

Gap assembly

 Bakelite

 Spacers

 Edge spacers

 Gas inlets

 Graphite, spray paint.

 Hv cable, PC block.

 Adhesive

 Mylar insulation

 Gas pipe

 Tooling, tape, flat table, double stick,

Gas system Analogue gas panel

 Gas bottles, regulators, PA pipe./

 NIM crate

 Discriminator

 Scalar

 HV & LV PS, cables

Demonstrator

 Transparent RPC to see streamers

 Japanese paper 1997 ?

Optical study of the features of the streamer images in RPC.

K. Abea, Y. Hoshia,\*, K. Kumagaia, T. Nagamineb, K. Neichic, K. Onoderaa,

N. Takahashia, T. Takahashia, A. Yamaguchib, H. Yuta

http://scholar.google.fr/scholar?q=rpc+transparent+electrodes+visible+streamers&hl=fr&as\_sdt=0&as\_vis=1&oi=scholart&sa=X&ved=0ahUKEwju4\_eQzvHUAhXCORQKHe1lCokQgQMIJjAA

http://ac.els-cdn.com/S0168900203012737/1-s2.0-S0168900203012737-main.pdf?\_tid=6ae47f70-6153-11e7-bdea-00000aab0f01&acdnat=1499239836\_c2fdc872dca54b90076ad744f5f756a0

And

Observation of light from resistive plate chambers

http://ac.els-cdn.com/S016890029700644X/1-s2.0-S016890029700644X-main.pdf?\_tid=507d0ebe-6170-11e7-b910-00000aacb361&acdnat=1499252247\_d8f0b3968987377dd040f7ba97b8c5fb

Transparent paint

<http://www.tbaps.com/blog/transparent-conductive-paint/>

<https://hollandshielding.com/Transparent-foil>

Pumping water with no mechanical precise parts ( liquid piston)