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The DynAMITe Large-area CMOS Sensor (Esposito Et Al 2011). Note That CMOS APS Are Fabricated Using The Same Commercial Silicon Processes And Foundries As The Vast Majority Of All Electronic Integrated Circuits, And Hence Benefit From Such Economies Of Scale. The Feasibility Of Using CMOS 1th, 2024

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2.2. The DynAMITe CMOS Sensor The Detectors Used For This Study Were DynAMITe CMOS APS Devices Developed By The MI-3 Plus Consortium (RC-UK EP/G037671/1 Programme) For Biomedical Applications (Esposito Et Al 2011). This Is A Wafer-scale Radiation-hard Sensor Of Total Active Area 12.8 1th, 2024

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Sel Is 50%, Rising To Nearly 100% For $\xi > 10^{-5}$. The Dependence Of The Efficiency On ξ Is Simi-lar For The SD And DD Processes And For Different MC Generators. The Measurement Is Quoted For $\xi > 5 \times 10^{-6}$ That Gives The Smallest Correction Factor, () / 5 10 6 – Fx< 1th, 2024

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HITACHI Proton Therapy System With Spot Scanning

RF Kicker RF Amplifier Power ... DX[mm] DY [mm] 0 1.0-1.0 1.0mm 0% 50 % 100 %-20 020 Beam Size (air) Planned Spot Positions ... Amplifier RF Control System RF Cavity Design Parameters Accel.Voltage > 2.5 KV Magnetic Core FINEMET Power Feeding Each Core Length 1.4 M RF Amp. Power 6 KW 1th, 2024

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Need Much Bigger Magnets To Bend The Beam. An Important Characteristic Of A Beam Of Particles Is The Magnetic Rigidity - The Product Of The Field Times The Radius Of Curvature Of The Magnet - Which Is A

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