

## La matière nucléaire dans ses états extrêmes

Publications 2004-2006

### Plasma de quarks et de gluons

DAPNIA

2004

Articles de revues

CARMINATI F., ANFREVILLE M. ; BALDISSERI A. ; BOREL H. ; CACAUT D. ; DUMONTEIL E. ; DE GIROLAMO P. ; GOSSET J. ; HARDY P. ; HENNION V. ; HERLANT S. ; ORSINI F. ; PENICHOT Y. ; PEREIRA H. ; SALASCA S. ; STALEY F. ; USSEGLIO M. ; et al.

**ALICE: Physics performance report, Volume I.**

*Journal of Physics G: Nuclear and Particle Physics* Vol. 30 Numéro 11 (2004) 1517-1763

SPHN

2004

Articles de revues

### EXPERIMENT

ADLER S.S., et al (BALDISSERI A., BOREL H., COBIGO Y., GOSSET J., STALEY F.)

**Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV.**

*Physical Review Letters* Vol. 93 N° 15 (2004), 152302

ADLER S.S., et al (BALDISSERI A., BOREL H., COBIGO Y., GOSSET J., STALEY F.)

**High  $p_T$  Charged Hadron Suppression in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV.**

*Physical Review C* Vol. 69 N° 3 (2004), 034910

ADLER S.S., et al (BALDISSERI A., BOREL H., COBIGO Y., GOSSET J., STALEY F.)

**Identified Charged Particle Spectra and Yields in Au+Au Collisions at  $\sqrt{s_{NN}}=200$  GeV.**

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**$J/\psi$  Production from Proton Proton Collisions at  $\sqrt{s}=200$  GeV.**

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*Physical Review C* Vol. 69 N° 1 (2004), 014901

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**Double Helicity Asymmetry in Inclusive Midrapidity  $\pi^0$  Production for Polarized p+p Collisions at  $\sqrt{s}=200$  GeV.**

*Physical Review Letters* Vol. 93 N° 20 (2004), 202002

BLIDEANU V., et al (FOUCHER Y.)

**Nucleon-induced reactions at intermediate energies: new data at 96 MeV and theoretical status.**

*Physical Review C* Vol. 70 N° 1 (2004), 014607

BRACKEN D.S., et al (POLLACCO E., LEGRAIN R., VOLANT C.)

**Moving-Source and Caloric-Curve Analyses of Reactions Induced by 1.8-4.8 GeV  $^3\text{He}$  Beams on  $^{\text{nat}}\text{Ag}$  and  $^{197}\text{Au}$  Nuclei.**

*Physical Review C* Vol. 69 N° 3 (2004), 034612

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**ALICE: Physics performance report, Vol. I.**

*Journal of Physics G Vol. 30 N° 11 (2004), 1517-1763*

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**New approach of fragment charge correlations in  $^{129}\text{Xe}+^{nat}\text{Sn}$  central collisions.**

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**Fast Electron Ejection from C, Ni, Ag and Au Foils by  $^{36}\text{Ar}^{18}+(95\text{ Mev/u})$ : Measurement of absolute Cross Sections.**

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*Nuclear Physics A Vol. 735 N° 1-2 (2004), 219-247*

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*International Journal of Modern Physics E Vol. 13 N° 1 (2004), 333-336*

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**Multiplicity correlations of intermediate-mass fragments with pions and fast protons in  $^{12}\text{C}+^{197}\text{Au}$ .**

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**Quantum calculations of Coulomb reorientation for sub-barrier fusion.**

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**Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC:**

**Experimental evaluation by PHENIX Collaboration.**

*Nuclear Physics A Vol. 757 N° 1-2 (2005), 184-283*

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**Systematic studies of the centrality and  $\sqrt{s_{NN}}$  dependence of the  $dE_T/d^{\eta}$  and  $dN_{ch}/d^{\eta}$  in heavy ion collisions at midrapidity. voir errata *Phys.Rev.C Vol. 71 (049901)***

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ADLER S.S., et al (BALDISSERI A., BOREL H., COBIGO Y., GOSSET J., STALEY F.)  
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*Physical Review Letters Vol. 94 N° 12 (2005), 122302*

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**Centrality dependence of direct photon production in  $\sqrt{s_{NN}} = 200$  GeV Au+Au collisions.**  
*Physical Review Letters Vol. 94 N° 23 (2005), 232301*

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**Saturation of azimuthal anisotropy in Au+Au collisions at  $\sqrt{s_{NN}} = 62-200$  GeV.**  
*Physical Review Letters Vol. 94 N° 23 (2005), 232302*

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**Measurement of Transverse Single-Spin Asymmetries for Midrapidity Production of Neutral Pions and Charged Hadrons in Polarized p+p Collisions at  $\sqrt{s} = 200$  GeV.**  
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**Measurement of high-p(T) single electrons from heavy-flavor decays in p+p collisions at  $\sqrt{s} = 200$  GeV.**  
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*Physical Review Letters Vol. 96 N° 22 (2006), 222301*

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*Nuclear Physics A Vol. 764 (2006), 371-386*

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BISWAS D.C., THEISEN C. ; BOUCHEZ E. ; HOURY M. ; LUCAS R. ; CAHAN B. ; LE COGUIE A. ; et al.

**Lifetimes of excited states in octupole-collective  $^{142,144}\text{Ba}$  nuclei.**

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*Physical Review C Vol. 70 N° 4 (2004), 044601*

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*Physical Review C Vol. 69 N° 6 (2004), 064604*

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*European Physical Journal A Vol. 26 N° 2 (2005), 227-232*

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*Physical Review C Vol. 71 N° 6 (2005), 064311*

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