

Department of Physics
Illinois Institute of Technology

USA

%#	+		
\$, !	%#	Ryerson University	&#" +
%		Colgate University	&#" : \$&#" (
\$ \$ ' #		Physics Dept.\$Ginnesota	&##+
- + - ' #		7raduate School\$Ginnesota	&##%;&##+
.	%	Physics Dept.\$Ginnesota	&##(
\$! /		Physics Dept.\$Ginnesota	&##(
		Carleton College	&##&

0

1 & 2 3	
<u>C1R<"#: A / =undamental 9uests in Science</u> >' iberal Arts Core curriculum\$for non;science ma?ors. Concepts in particle physics\$cosmology\$fusion scienti@c methodA	Colgate University " semester
<u>PCS"#B / The 3atural ConteCt</u> >Algebra based course for @rst year architecture students\$ mechanics\$statics\$energy transferA	Ryerson University ! semesters
<u>PCS"&# / Physics I</u> >Algebra based course for @rst year science students\$ mechanics\$electric and gra0itational @eldsA	Ryerson University " semester
<u>Physics "" "D" "& ; =undamentals of Physics I and II</u> >Gechanics\$thermodynamics\$@uid dynamics\$electricity and magnetism\$optics\$4a0es\$modern physics. Algebra based course for life science ma?orsA	Colgate University & semesters >eachA
<u>PCS&" " / Physics) Gechanics</u> >Calculus based mechanics for @rst year engineering students. <mphasis on ! D 0ectors\$ statics and dynamicsA	Ryerson University : semesters
<u>PCS"&E / F a0es and =ields</u> >Calculus based 1scillations\$F a0es\$<lectromagnetism for @rst year engineering students.A	Ryerson University & semesters
<u>Physics " ! " : Atoms and F a0es</u> >Introductory course on &# th century physicsA	Colgate University " semester
<u>PCS&&: / Solid State Physics</u> >=or second year electrical engineering students. <lectrostatics\$statistical physics\$pn ?unction\$optical de0ices\$G 1 S=<TA	Ryerson University E semesters
<u>PCS! ! E / Thermal and Statistical Physics</u> >Course for third year physics ma?ors. ' a4s of thermodynamics\$engines\$Gquantum statistical physicsA	Ryerson University : semesters

Physics 300: Mathematical Methods for Physics
>Complex variables, Fourier analysis, differential equations

Colgate University
& semesters

PCSE & DPCS: Mathematical Physics
>nth year course for physics majors.
Differential equations in physical systems, complex
variables, numerical methods, GAT' A. Fourier analysis

Ryerson University
& semesters >each

Physics: E (General Relativity and Cosmology)
>: th year course for physics majors
Special general relativity and cosmological applications

Colgate University
" semester

*&

Physics (B) * Quantum field theory II
>non-Abelian gauge theories, Quantum chromodynamics,
deep inelastic scattering and parton evolution

Georgetown University
H semester

& 4

1

Physics 101 & 102: Fundamentals of Physics I and II

Colgate University
& semesters

Physics 103: Atoms and Molecules

Colgate University
! semesters

Physics 104: Physics for scientists and engineers
>Mechanics, waves, optics, special relativity, applications

University of Minnesota

4

2 ' >?>; 3
Citations) "+"
h;IndeC) %
i" # IndeC) B

& 4 1

arMl0)"E#%.#&: #+\$&#"ES>4ith ,. AnglbngrA0A

\$! ! # ,uly &##
& 4 AAPT Summer Geeting

+
5 A symposium on ' ight\$Color\$sand Dense Gatter ,une &#" B

+ ' A SU35 7eneseo Gay &#"!
>7eneseo\$35A

J9uar Gatter &#" &K Aug. &#" &
>F ashington DCA

!

!

S

- Mentored Anna ' ec man >T' +A in a " credit course on introductory cosmology and relati0ity at Ryerson Uni0ersity
- Senior capstone pro?ects >Colgate Uni0ersityA
 - ,ac son AngNngN >N' EASJThermodynamics of the 2adron 7as Phase of the <arly Uni0erseK
 - Ar?un . huptani >N' (ASJThe <ffect of Riscosity on the < Cpansion of the Uni0erse.K
 - 7ary Gucci\$>N' (AJSignatures of Thermal =luctuations in the Cosmic Gicro4a0e